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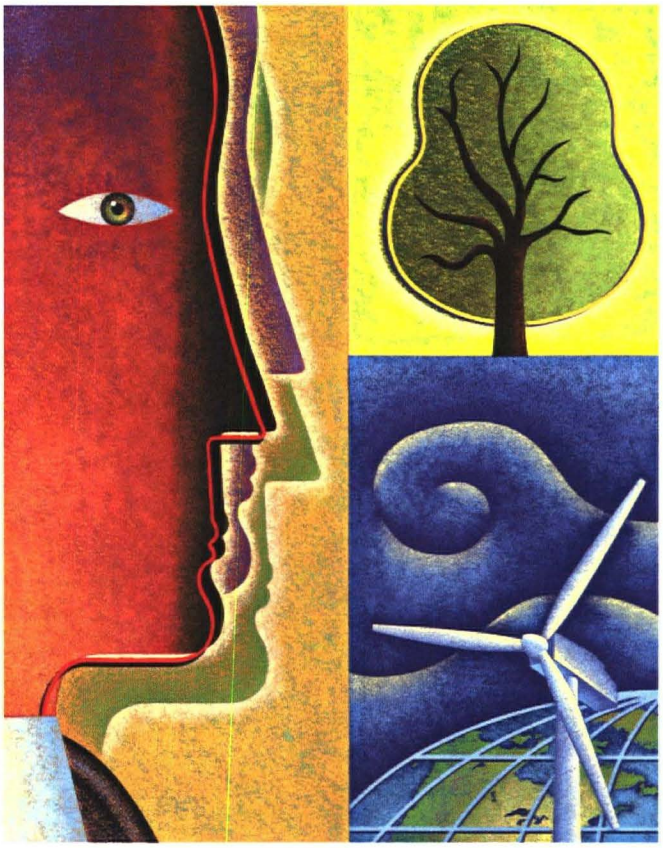
Quarterly Monitoring Report 4th Quarter 2010

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey

USEPA ID No. NJD002168748

May 2011



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Prepared For
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Section 1
Introduction and Summary

RMT, Inc. (RMT), on behalf of L.E. Carpenter & Company (LEC), has prepared this Quarterly Monitoring Report for the Dayco Corporation/L.E. Carpenter Superfund Site ("Site") located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1). Quarterly groundwater and surface water monitoring events are performed and associated reports are completed and submitted to the United States Environmental Protection Agency (USEPA), to comply with paragraph 49 of the 2009 Unilateral Administrative Order (UAO) issued to LEC by the USEPA (effective August 6, 2009).

RMT completed the following tasks during the first quarter of 2011 (1Q11):

- Quarterly groundwater quality monitoring of both the MW19/HS-1 and MW-30 areas of concern (AOCs),
- Quarterly Monitored Natural Attenuation (MNA) groundwater monitoring of the MW-30 AOC,
- Hydrogeologic and hydrologic assessments of shallow site groundwater and adjacent surface water bodies, and
- Surface water quality assessments of the Rockaway River and Eastern Drainage Channel.

This Quarterly Monitoring Report for 1Q11 presents a discussion of activities performed during the period and results obtained for each of the monitored AOCs. A summary of observations are as follows:

- MW19/HS-1: Consistent with the Remedial Action Work Plan (RAWP) Addendum approved by USEPA on December 21, 2009, implementation of the MW19/HS-1 area remediation began on January 11, 2010 and was completed in mid-April 2010. Documentation of the event was included in the Addendum to the Remedial Action Report (RAR Addendum), submitted on July 19, 2010, along with a proposed post remedial monitoring plan (PRMP) which included supplemental monitoring well installation, soil gas sampling, and groundwater quality analysis for the area. The PRMP has been implemented beginning with installation of new monitoring wells and soil gas sampling in November and December 2010. Data summarized in this 1Q11 report show that BTEX-impacted groundwater remains, but still has not migrated off-site. As discussed in the 4Q10 report (RMT, February 2011), 1,3-butadiene, observed in soil gas during the 4Q10 sampling event is not considered a site-related COC. This conclusion was drawn in part because there are no recorded detections of 1,3-butadiene during groundwater monitoring previously conducted in the MW19/HS-1 area. Groundwater sampling and analysis for the

1Q11 event confirmed that 1,3-butadiene was not present in groundwater at detectable concentrations in the MW19/HS-1 area. Also, as described in Section 4, natural attenuation of COCs dissolved in groundwater via biodegradation remains strong following removal of source material. Based on the 1Q11 data obtained, continuation of groundwater quality and MNA monitoring in the MW19/HS-1 area is recommended.

- MW-30 Area of Concern: Shallow groundwater flow in the MW-30 area is similar to flow that occurred prior to the 2005 source reduction. Specifically, shallow groundwater at the Site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam. The effect of the buried slurry monolith on groundwater flow appears to be limited in extent and occurs mainly within and near the edges of the Source Reduction area. Concentrations of constituents detected within the MW-30 PRMP monitoring network exhibited similar concentrations to previous monitoring periods.

  A scope of work to further evaluate the source of groundwater contamination above solubility limits in the wetland area and a pilot test to evaluate polishing-remediation of dissolved bis 2-ethylhexylphthalate (DEHP) remaining in the slurry monolith area was presented in RMT's September 3, 2009 Addendum to the USEPA approved RAWP. USEPA provided comments on the Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW-30 area specific comments were submitted to the USEPA on February 1, 2010 and approved by USEPA in their email dated February 22, 2010. LEC anticipates initiating the remedial investigation and dissolved phase remedial pilot work in the MW-30 area shortly after USEPA approval of the complete RAWP Addendum #2 (see Section 7.1 for additional details).

- Surface Water: COCs were not detectable in any of the Rockaway River samples. Surface water sample SW-D-2 collected from the Eastern Drainage Channel exhibited DEHP at concentrations slightly above background. Ethylbenzene and total xylenes were detected above background at SW-D-4 in the Eastern Drainage Channel. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) were not detected at any other surface water monitoring locations in the Eastern Drainage Channel.

Section 2
Sampling Approach and Methods

RMT conducted the 1Q11 monitoring activities March 14 - 17, 2011. A site plan showing current conditions and locations of the monitoring points sampled this quarter are shown on Figure 2. A photo summary of the sampling events and a copy of the field notes are provided in Appendix A.

2.1 Water Level Measurements

RMT measured static groundwater levels within 35 groundwater monitoring wells throughout the Site on March 14, 2011 as part of the 1Q11 sampling activities. In addition, surface water levels were measured at eight separate locations along the Rockaway River and five locations along the Eastern Drainage Channel.

2.2 Site Wide Groundwater Sampling

Groundwater monitoring was performed in accordance with the procedures contained in the NJDEP's *Field Sampling Procedures Manual* dated May 1992 (Revised August 2005), and methodologies outlined in our May 2001 Monitored Natural Attenuation (MNA) work plan. The MNA work plan was approved by NJDEP on January 24, 2002.

Three (3) sample duplicates, three (3) trip blanks, a field (atmosphere) blank, two (2) matrix spike/matrix spike duplicates (MS/MSDs), and three (3) rinsate blanks were collected to satisfy Quality Assurance / Quality Control (QA/QC) requirements outlined in the revised Quality Assurance Project Plan (QAPP) presented as Appendix C in the PRMP.

The trip blanks were prepared by the laboratory and remained with the sample containers until the samples were returned to the laboratory where they were analyzed for BTEX. The blind duplicate samples were collected at SW-D-4 (Dup-01), MW-28s (Dup-02), and MW-19-14 (Dup-03) and analyzed for BTEX and DEHP. Dup-02 and Dup-03 were also analyzed for MNA parameters. Rinsate blank RB-02 and RB-03 were collected by circulating distilled water through the cleaned bladder pump assemblies to verify that decontamination procedures were adequate. Any sampling equipment used at each well was decontaminated prior to each use utilizing an environmental detergent (Alconox®) and clean water wash followed by a distilled water rinse. The field (atmosphere) blank was taken by opening a bottle of unpreserved distilled water, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory. RMT submitted groundwater samples to Trace Analytical Laboratories, Inc (Trace), located in

Muskegon, Michigan for BTEX, DEHP, and MNA parameter analyses (State of New Jersey Lab Certification No. MI008).

2.3 Surface Water Sampling

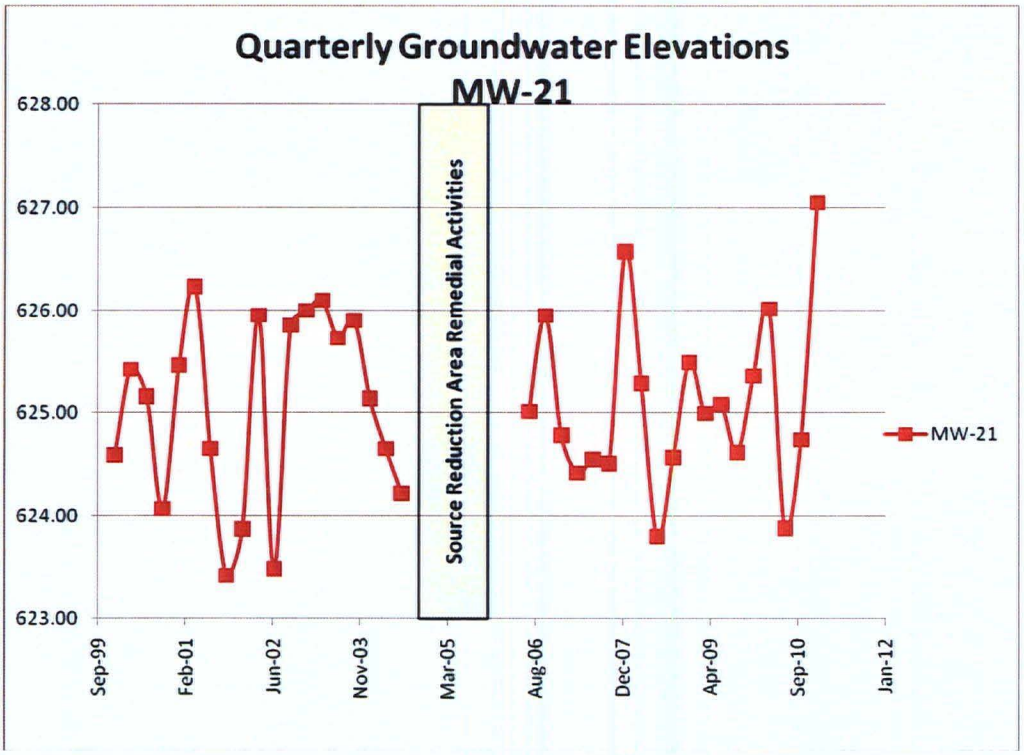
As part of the 1Q11 event, RMT sampled five points (SW-D-1, SW-D-2, SW-D-3, SW-D-4, and SW-D-5) within the Eastern Drainage Channel that separates the adjacent Air Products property from the LEC site and the adjacent Wharton Enterprises property for surface water quality. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005. RMT also collected surface water samples at the intersection of the Eastern Drainage Channel and the Rockaway River (approximately 10 feet upstream in the Eastern Drainage Channel, DRC-02) and five surface water samples from the Rockaway River (SW-R-1, SW-R-2, SW-R-3, SW-R-4, SW-R-6) as shown on Figure 2.

Specifics regarding surface water sampling locations, frequency and analytes are presented in the PRMP and associated QAPP. RMT submitted surface water samples to Trace Laboratory for analysis of BTEX and DEHP.

Section 3
Groundwater Elevation and Shallow Groundwater Flow

RMT measured static groundwater levels within 35 groundwater monitoring wells throughout the Site on March 14, 2011 as part of the 1Q11 sampling activities. In addition, surface water levels were measured at seven separate locations along the Rockaway River and five locations along the Eastern Drainage Channel. The staff gauge located at DRC-02 was not accessible during the 1Q11 sampling event due to elevated surface water levels in this area. These data were used to calculate groundwater elevations (Table 1) with respect to the National Geodetic Vertical Datum (NGVD), and evaluate the site-wide groundwater flow pattern in the shallow aquifer system. Interpretation of the calculated groundwater elevations yielded site-wide shallow groundwater contours and associated approximate flow pattern that are shown on Figure 3. The contours were prepared by utilizing the surveyed groundwater elevations from the PRMP wells, existing Site wells, and river and Eastern Drainage Channel surface water elevations (Table 1).

As a result of significant rainfall and snow melt in the region, groundwater levels measured at the site were between .3 and 3.9 feet higher than those measured in 4Q10. The depth to groundwater readings measured in the western portion of the site; in the MW19/HS-1 area were 3.1 feet to 3.9 feet higher than those measured in 4Q10. This increase in groundwater levels resulted in saturation of portions of the shallow aquifer which are normally dry during other parts of the year. Groundwater elevations in the central and eastern portion of the site were also higher than those measured in 4Q10; however, the range of increases is less than those in the western portion, due to the proximity to surface water bodies (the Rockaway River, the eastern drainage channel, and the eastern wetland area). The difference in elevations in the eastern portion of the site ranged from 0.3 feet within the eastern wetland area to 3.3 feet in the central portion of the site. The three graphs below present groundwater levels over time from the different portions of the site.



3.1 MW-30 AOC

Shallow groundwater flow is similar to flow present at the site prior to the source reduction conducted in 2002 in that shallow groundwater at the Site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam. This "losing" reach of river is identified by approximate flow direction arrows on Figure 3. Further east towards the wetland shallow groundwater again becomes influent to the river. The groundwater contour map also shows that the effect of the buried slurry monolith on groundwater flow is limited in extent, mainly within and along the edges of the Source Reduction area. The presence of the monolith does not change the overall easterly flow direction in the MW30 area.

Surface water elevation data for the man-made Eastern Drainage Channel is consistent with its current configuration as a U-shaped pond formed as a result of downstream beaver dams (Figures 2 and 3). As shown by the flow arrows on Figure 3, the bulk of the shallow groundwater on-site becomes influent to the Eastern Drainage Channel surface water; this flow-path is supported by the occasional low detections of Site COCs in some of the Eastern Drainage Channel surface water samples (see Section 5).

Further into the wetland area to the east, in the vicinity of monitoring location MW-21, groundwater is typically mounded slightly and flows north into the ditch system, south to the river, and west back towards the Source Reduction area. This condition has remained relatively

consistent over the period of remedial investigations conducted on-site. A lack of detectable constituents within monitoring wells MW-21 and MW-25R support the flow path from the eastern wetland towards the western wetland. These data, along with the fact that the construction of the regional sewer line did not encounter contamination until its construction had progressed from east to west to the westernmost end shown on Figure 3, show that contaminant migration is not likely to occur further east.

3.2 MW19/HS-1 AOC

As historically observed, shallow groundwater in the MW19/HS-1 area is generally toward the northeast (Figures 3 and 4). Groundwater on both the north and south sides of Ross Street is locally influenced by the utility corridor located in the center of Ross Street where the large regional storm sewer line is located.

Section 4
MW-19/Hot Spot 1 Area

A comprehensive investigative and remedial history of the MW19/HS-1 AOC is presented in the 4th Quarter 2007 Remedial Action Progress Report (RAPR). As outlined in the 4Q07 RAPR, the MW19/HS-1 AOC has been under investigation since the early 1980s. Activities began with subsurface investigation and subsequent removal of two underground storage tanks (USTs) that provided bulk liquid waste storage for former operations in Building 9. Long-term monitoring and investigation of groundwater quality within the area, and a soil gas investigation performed in 2006 showed that naturally occurring biodegradation is occurring, resulting in a stable dissolved phase "plume" that is shrinking over time, and does not pose a risk to the residences on the north side of Ross Street.

In the June 20, 2007, Notice of Deficiency (NOD) pertaining to review of the May 2006 Soil Gas Investigation Report, NJDEP stated that the extended time frame for degradation of dissolved phase groundwater contamination post source removal [USTs and surrounding soils] suggested that residual source material remained and must be addressed. To support preparation of a Remedial Action Selection Report (RASR), RMT performed an investigation of potential residual source material in August 2007. Results of this investigation and a proposed remedial approach were presented in the RASR submitted to NJDEP and USEPA in September 2007.

LEC, USEPA, and RMT developed a Statement of Work (SOW) for concurrent implementation of the MW19/HS-1 area investigation and remediation, focusing the remedial alternative for this area on soil excavation. This approach was detailed in the September 3, 2009 Addendum to the USEPA approved RAWP. The Addendum to the RAWP was approved by USEPA on December 30, 2009. Implementation of the MW19/HS-1 area investigation and remediation began on January 11, 2010 and was substantially complete by April 23, 2010. Documentation of the remedial action was included in the RAR Addendum. The outline of the excavation area associated with that remediation is shown on Figure 2.

4.1 MW19/HS-1 Post-Remedial Performance Monitoring

A post-remedial groundwater monitoring well network was proposed to USEPA for approval in the RAR Addendum. USEPA approval of the proposed network was received in their September 28, 2010 email requesting current MW19/HS-1 groundwater analytical data. Four replacement monitoring wells and five new groundwater monitoring wells were installed in November 2010, in accordance with the RAR Addendum.

The groundwater elevations and analytical data from these new wells, combined with the data from the two remaining wells, were utilized to create the MW19/HS-1 shallow groundwater contours and evaluate flow direction and post remedial groundwater quality (Figures 4 and 5).

4.2 Groundwater Quality Impacts

4.2.1 Site Contaminants of Concern (COCs)

RMT sampled groundwater from the newly installed and existing groundwater monitoring wells from March 15-16, 2011. Results of laboratory testing are summarized on Table 2, and Figure 5 shows isoconcentration contours for total BTEX. Corresponding analytical laboratory reports are presented in Appendix B.

As shown on Figures 4 and 5, the current well network is adequate to sufficiently define the current extent of residual groundwater contamination that remains following the aggressive soil removal operation completed in early 2010. The lateral extent of BTEX detected in groundwater is comparable to the extent reflected in the 4Q10 monitoring report, except that the footprint has shifted slightly downgradient, likely a result of high water levels encountered during the 1Q11 event. This shift is evidenced by an increase in the total BTEX concentrations in MW-19-7R from non-detectable concentrations during the 4Q10 event to detections of 0.011 ppm benzene, 1.4 ppm ethylbenzene, 33 ppm toluene, and 6.2 ppm total xylenes during the 1Q11 monitoring event. Conversely, concentrations of the BTEX compounds decreased in monitoring well MW19-14 from detections of 0.0007 ppm benzene, 0.11 ppm ethylbenzene, 1.8 ppm toluene, and 0.51 ppm total xylenes in Q410 to non-detect for all compounds except ethylbenzene, which had a detection of 0.001 ppm. Similarly, concentrations of the BTEX compounds decreased in monitoring well MW-19R from detections of 0.4 ppm ethylbenzene, 1 ppm toluene, and 1.2 ppm total xylenes in 4Q10 to non-detect for all compounds in 1Q11. These changes in BTEX distribution can be attributed to the high groundwater elevations and flood conditions observed at the site during the 1Q11 monitoring. For example, the water level within MW-19R (Table 1) at an elevation of 630.22 feet above mean sea level (amsl) during the 1Q11 event, which is approximately 3.7 feet higher than the elevation of 626.51 feet amsl measured during the 4Q10 monitoring event. Specifically, migration of larger volumes of fresh non-contaminated groundwater from the shallowest portion of the higher water table aquifer predominates in the well at the upgradient portion of the plume (i.e., MW-19R) whereas contamination present at the plume core (MW1-19-5R) becomes more prevalent in downgradient well MW-19-7R due to the increased flux of fresher non-contaminated shallow groundwater combined with upward gradients present in this area. Concentration in monitoring well MW19-12

located further downgradient remain at non-detect, which shows that significant downgradient expansion of the groundwater contaminant plume is not occurring.

As discussed in prior quarterly groundwater monitoring reports, the lack of downward migration of COCs is evidenced by historical groundwater elevation data that shows consistent upward vertical hydraulic gradients in the MW19/HS-1 area and in all other former and existing deep/shallow well clusters across the Site. Site-wide upward hydraulic gradients would be expected because of the regional hydrogeologic features; specifically the upward gradient is a function of the regional groundwater discharge to the Rockaway River system. The Washington Forge Pond (at an elevation of approximately 640 feet) and the Rockaway River act as constant head boundaries, and together comprise a regional aquifer discharge area.

4.2.2 MNA Parameters and Data Analysis

Natural attenuation of petroleum hydrocarbons via biodegradation has been documented to be a universal phenomenon that occurs at 100% of sites with BTEX hydrocarbon contamination, and is found to be protective at more than 80% of those sites (Wiedemeier, 1997). As discussed in prior quarterly groundwater monitoring reports, natural attenuation of BTEX components related to the residual soil contamination in the MW19/HS-1 AOC had been observed.

A new groundwater monitoring well network and monitoring program was proposed in the RAR Addendum. USEPA approval of the network was received in their September 28, 2010 email requesting current MW19/HS-1 groundwater analytical data. The new groundwater monitoring wells were installed in November 2010, in accordance with the RAR Addendum. Concentrations of detected MNA parameters are summarized on Tables 3 and 4. These parameters continue to show that biodegradation remains strong, both along the outer fringes of the plume and within the current area of residual groundwater contamination. However, due to the very high water levels and resulting changes in groundwater quality at various locations, some of the MNA indicators are not as strong as those measured during the 4Q10 event. Regardless, the heterotrophic plate counts (HPC) of bacteria in wells present within the zone of highest groundwater contamination remain high compared to levels last measured in pre-excavation wells. Specifically, HPC remained relatively high within the upgradient portion of the plume (MW-19R from a pre-excavation level of 25 to a 1Q11 level of 290 cfu/ml), to the center of the plume (MW-19-5R from a pre-excavation level of 25 to a 1Q11 level of 1,100 cfu/ml). The overall high current level of HPC indicates that microbial populations continue to thrive with the removal of residual source soils (the

presence of source material typically inhibits the growth of microbial communities; prior to source removal here, HTP was relatively low within the interior portion of the plume).

In addition, electron donor zones that develop in the subsurface as a function of naturally occurring biodegradation remain clearly developed in 1Q11 than they were before the source removal was conducted. The first zone developed during degradation of hydrocarbon plumes is the methanogenic zone. Current data at the site shows that methanogenesis is strongest in the current plume core (5,000 ug/L methane at MW-19-5R and 3,300 ug/L methane at MW-19-7R) and has been reduced somewhat at the plume fringes because of the reduction in parent source material (methane reduced from 280 ug/L to not detected in MW-19R). Current data also indicates an increase in methanogenesis at MW-19-7R (methane increased from 35 ug/L to 3,300 ug/L). Further downgradient at MW-19-12, methane production remains non-detectable. Progressive zones further out from the plume core continue to be shown more clearly then before source removal. For example, reduction of ferric iron as a result of biodegradation processes has resulted in stronger concentrations of ferrous iron in the current plume core. Specifically, ferrous iron that was at a pre-excavation level of 1 ppm is now in 1Q11 at a level of 15 ppm in MW-19-5R; similarly ferrous iron changed from a pre-excavation level of 5 ppm to a 1Q11 level of 16 ppm ferrous iron at MW-19-7R. Ferrous iron remains at background levels further downgradient in MW-19-12. Similar increases also occurred with respect to the sulfate reducing zone.

Because of the strong MNA documented above and in previous reports, RMT anticipates that remaining contaminants dissolved in groundwater will continue to attenuate, and at a faster rate than previously documented.

4.2.3 1,3-Butadiene Sampling Results

1,3-butadiene groundwater data was collected during the 1Q11 sampling event as a follow-up to the soil gas investigation data documented in the 4Q10 report. There were no detections for 1,3-butadiene observed in groundwater during the 1Q11 sampling event, which is further evidence that an alternate source of 1,3-butadiene to soil gas exists. As previously noted in the 4Q10 report, there is a utility corridor, containing water and gas lines located along the northern boundary of Ross Street, as well as the municipal regional sanitary sewer line that runs along the center of Ross Street. These utility lines are bedded in relatively coarse-grained sandy fill material. This utility corridor has multiple potential implications related to soil intrusion evaluation. Most importantly, sewer gas is a complex mixture of toxic and non-toxic gases that can be

present at varying levels depending upon the source. Industrial solvents and gasoline components are frequently present in municipal and privately owned sewage systems. In addition, the utility corridors, because of the coarse nature of their bedding material, likely serve as preferential conduits for soil gas both into and away from the MW19/HS-1 area.

4.3 Performance Monitoring Summary

The MW19/HS-1 groundwater observations are summarized as follows:

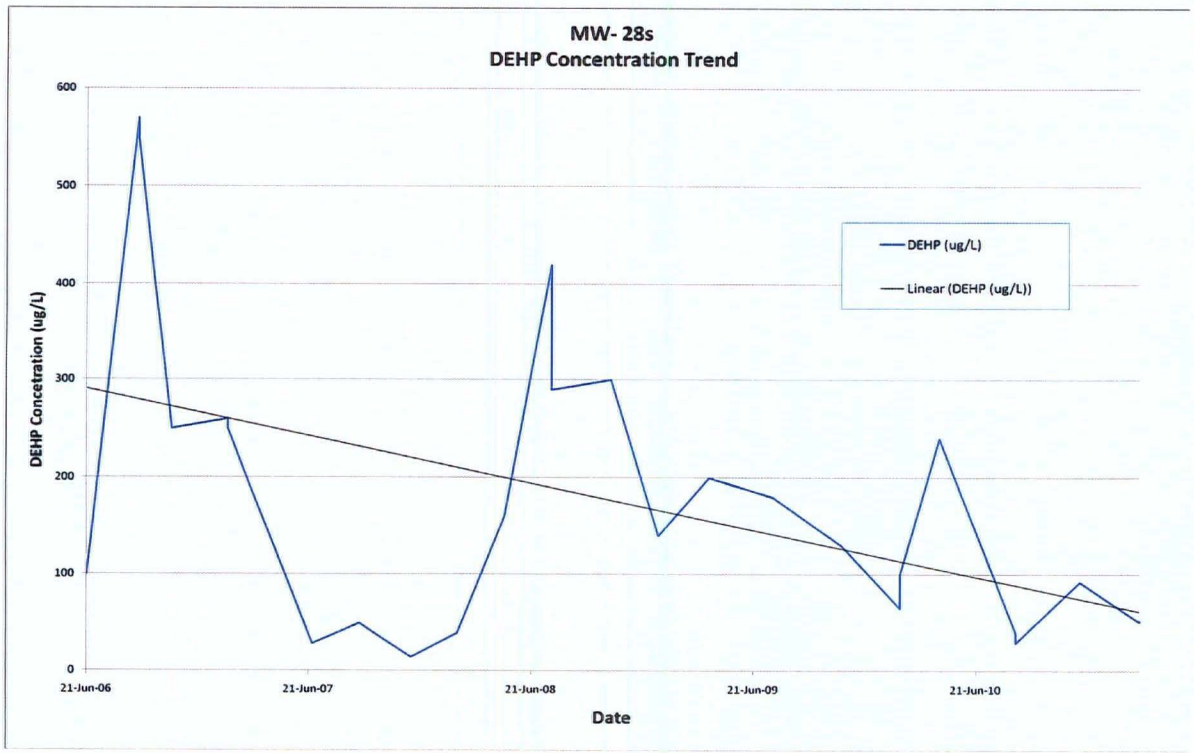
- Groundwater flow at the site is east-northeast and does not flow from the site to the homes along the north side of Ross Street.
- Groundwater levels within the MW19/HS-1 area are between 3.1 and 3.9 feet higher than in 4Q2010, which resulted in saturated conditions within portions of the shallow aquifer which are normally dry.
- The footprint of residual groundwater contamination remains essentially the same as that identified during the 4Q10 event.
- Absence of 1,3-butadiene in groundwater indicates that an alternate source of butadiene in soil gas is present.
- The recent aggressive source removal action has strengthened the previously documented natural attenuation in the area.

Section 5
MW-30 Area

The 2005 Source Reduction was implemented in the MW-30 area to remove as much of the free-product mass as possible. It was anticipated that some dissolved-phase contamination would remain in groundwater following the source reduction, and that residual groundwater contamination would to be addressed as part of a formal ROD amendment. The 2005 Source Reduction was a success in that no free product has been measured within the Source Reduction area since completion of that work and implementation of the PRMP. Residual contamination is being monitored and addressed as described below.

The analytical results from all monitoring events are summarized in Tables 2 through 5. The shallow wells that lie within the central (MW-28 cluster) and downgradient (MW-30 cluster) portions of the Source Reduction area both have screens that were placed below the slurry monolith. At both locations, intermediate monitoring wells MW-28i and MW-30i were installed and screened approximately 5 feet below the bottom of the shallow well screen; 15 to 20 ft bgs and 10 to 15 ft bgs, respectively.

In 1Q11 low levels of dissolved groundwater contamination continue to be found in the Source Reduction area interior monitoring wells MW-28s and MW-28i (Table 2). Benzene and toluene have not been detected in the MW-28 well cluster since 4Q06; however in 4Q10 benzene was present slightly above the detection limit but below the practical quantification limit (PQL) in both wells. Ethylbenzene and xylenes have only been detected once in MW-28i since 4Q06. Samples collected from MW-28s contained levels of dissolved ethylbenzene and xylenes; however, the concentrations are decreasing over time and no BTEX constituents are present at levels that exceed current Class II-A New Jersey Groundwater Quality Standards (NJGWQS). Dissolved DEHP concentrations continue to fluctuate at both MW-28s and MW-28i; however, the overall trend of DEHP concentration is downward as shown in the following graphs:


MW- 28s
DEHP Concentration Trend
DEHP Concetration (ug/L)
600
500
400
300
200
100
0
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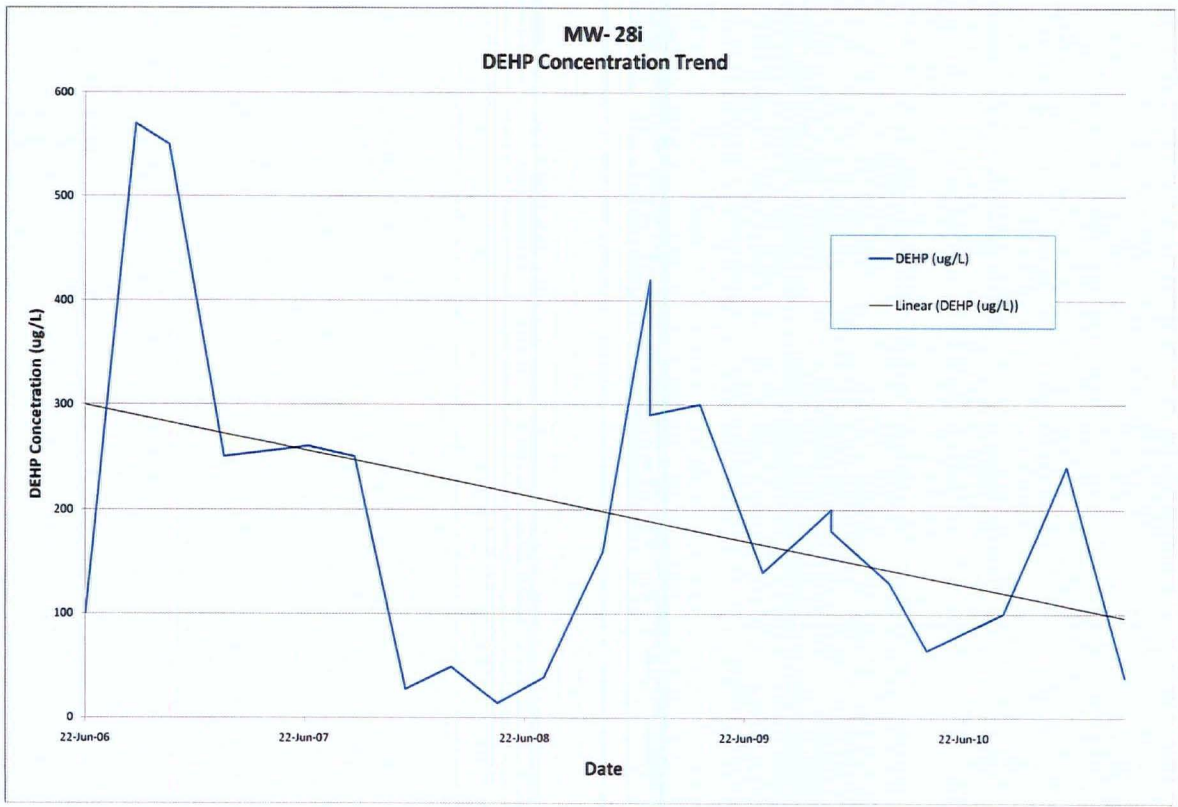
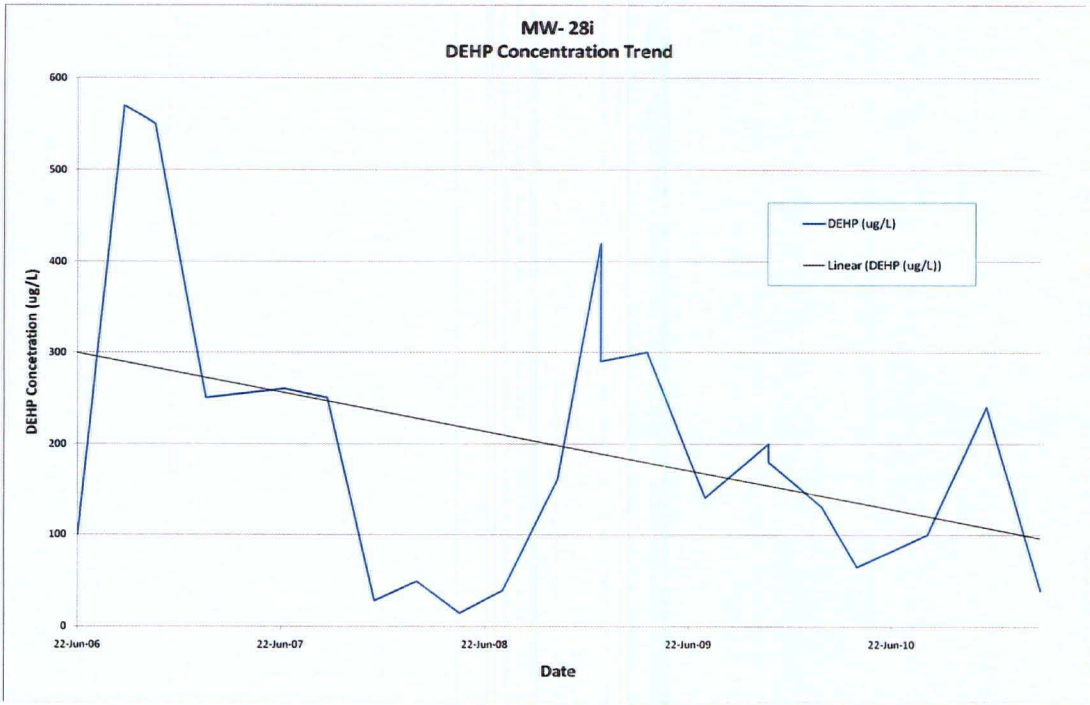
21-Jun-07
21-Jun-08
21-Jun-09
21-Jun-10
Date
DEHP (ug/L)
Linear (DEHP (ug/L))


MW- 28i
DEHP Concentration Trend
DEHP Concetration (ug/L)
600
500
400
300
200
100
0
22-Jun-06
22-Jun-07
22-Jun-08
22-Jun-09
22-Jun-10
Date
DEHP (ug/L)
Linear (DEHP (ug/L))

Dissolved site COCs also continue to be present in groundwater samples collected from Source Reduction area downgradient well MW-30s. However, only DEHP remains above NJGWQS; all BTEX concentrations have been either non-detect or below NJGWQS since 1Q08. The concentration of DEHP in well MW-30s, while fluctuating somewhat from quarter to quarter, has a strong trend downward as shown in the following graph:



Since 1Q07, no Site COCs have been detected in wells MW-30i and MW-30d, with the exception of several small detections of DEHP in MW-30i, just slightly above the detection limit, and a small detection of ethylbenzene and total xylenes in 2Q10. This indicates that the vertical extent of Site constituents of concern in the vicinity of the MW-30 cluster is limited to only the top five feet or less of the shallow water table within the first five feet of aquifer immediately below the slurry monolith.

As part of the 1Q11 sampling event, RMT also sampled the five (5) Wetland area wells (MW-31s, MW-32s, MW-33s, MW-34s, and MW-35s) for groundwater quality. The location of these wells, with respect to the Source Reduction and Wetland areas, are shown on Figures 2 and 3; all of these wells are located outside of and downgradient from the Source Reduction excavation area.

During 1Q11, groundwater samples collected from Wetland area wells MW-31s, MW-32s, and MW-35s had concentrations of benzene, ethylbenzene and total xylenes above the higher of the

NJGWQS and PQL (Table 2; Figure 6). Groundwater samples collected from MW-31s, MW-32s, MW-33s, MW-34s, and MW-35s also contained concentrations of DEHP above the greater of the NJGWQS and PQL (Table 2 and Figure 7). No free product was measured in any of these Wetland wells during the 1Q11 monitoring event. The concentration trends of dissolved benzene, ethylbenzene, and xylenes will continue to be carefully monitored.

Concentrations of detected MNA parameters collected from this area of the site are summarized on Tables 3 and 4. These parameters continue to show that biodegradation remains strong downgradient of the 2005 Source Remediation Area. Monitoring results for HPC show high readings from monitoring wells 31s, 32s, and 33s (950 to 36,000 cfu/ml).

Furthermore, additional investigations to determine nature and extent is proposed for this area as described in the September 3, 2009 Addendum to the USEPA approved RAWP. The Addendum focuses on characterization and gathering data that will be used to develop a means to prevent further discharge of groundwater contamination into the Eastern Drainage Channel and Rockaway River.

Section 6
Surface Water

The Rockaway River adjacent and downstream from the LEC site is classified as a Category 1 fresh water trout maintenance stream (FW2-TM(C1); ref. Surface Water Quality Standard Reference: N.J.A.C 7:9B-1.15 (e), Table 3 January 2010; (Dover) - Washington Pond outlet downstream to Rt. 46 bridge). In N.J.A.C. 7:9B-1.4, "Category one waters" means those waters designated in the tables in N.J.A.C. 7:9B-1.15(c) through (g), for purposes of implementing the antidegradation policies set forth at N.J.A.C. 7:9B-1.5(d), for protection from measurable changes in water quality based on exceptional ecological significance, exceptional recreational significance, exceptional water supply significance, or exceptional fisheries resource(s) to protect their aesthetic value (color, clarity, scenic setting) and ecological integrity (habitat, water quality, and biological functions). As such, RMT compared Site COC concentrations detected in the Eastern Drainage Channel and Rockaway River samples against background concentrations found in upgradient sample SW-R-6, collected below the Washington Forge Pond dam, at the upgradient end of the Site.

6.1 Eastern Drainage Channel

As part of the 1Q11 event, RMT sampled five (5) points (SW-D-1, SW-D-2, SW-D-3, SW-D-4, and SW-D-5) within the Eastern Drainage Channel that separates the adjacent Air Products property from the LEC site and the adjacent Wharton Enterprises property for surface water quality. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005.

All surface water sample locations are shown on Figure 2. The laboratory analytical results for these Eastern Drainage Channel samples are summarized on Table 5, and Figures 6 and 7.

BTEX constituents were detected above the NJSWQC at SW-D-4. BTEX constituents were not detected at any other surface water monitoring locations in the Eastern Drainage Channel. DEHP was detected above the NJSWQC in samples collected from one (1) of the Eastern Drainage Channel surface water sampling locations (SW-D-2). Migration of Site COCs into the Eastern Drainage Channel environment will be addressed during the upcoming on-site investigations that are included in the USEPA approved September 2009 Addendum to the approved 2004 Remedial Action Workplan.

6.2 Rockaway River

In addition to the Eastern Drainage Channel, RMT also collected five (5) surface water samples from the Rockaway River (Table 5 and Figures 6 and 7).

Rockaway River samples collected at surface water sampling locations SW-R-1, SW-R-2, SW-R-3, and SW-R-4 were non-detect for Site COCs.

River sample SW-R-6 was taken just downstream of the Washington Forge Pond dam. As a result of USEPA comments in an email dated December 21, 2009, this location now serves as the background monitoring location for the Site. Surface water samples SW-R-1 through SW-R-4, are compared to the results of SW-R-6, per N.J.A.C. 7:9B-1.5 (d) 6iii. Site COCs were not detected in the surface water sample SW-R-6.

Another surface water sample was collected in the Eastern Drainage Channel near its intersection with the Rockaway River (approximately 10 feet upstream in the Eastern Drainage Channel; see Figure 2). This location represents the surface water discharge point from the Eastern Drainage Channel/beaver pond into the Rockaway River. Similar to the other river samples collected, Site COCs were not detected in the "Ditch-River Confluence" sample DRC-2.

Surface water sampling at the Eastern Drainage Channel as well as the Rockaway River and Washington Forge Pond will continue to take place during each quarterly monitoring event. Specifics regarding surface water sampling locations, frequency and analytes are presented in the PRMP and associated QAPP.

Section 7
Additional and Future Project Activities

LEC, USEPA and RMT designed a SOW to accompany the UAO. Both the UAO and associated SOW were executed in August 2009. The following sections briefly outline continuing UAO and SOW required activities anticipated for completion over the next three to six months. An updated Master Project Schedule is presented in Appendix C.

7.1 General and Administrative Site Scope and Tasks

- Following receipt of USEPA approval of the complete RAWP Addendum #2 and initiation of additional assessment in the MW-30 area
  - Finalize the Community Involvement Plan (CIP)
  - Finalize the Revised Remedial Action Work Plan (RAWP) Addendum and associated Uniform Federal Policy (UFP) compliant QAPP

7.2 Individual Areas of Concern (AOCs) Scopes and Tasks

7.2.1 MW-30 Area of Concern

- Approval and receipt of the Flood Hazard Area Permit from the NJDEP DLUR was received on August 19, 2010.
- Remedial investigation and pilot testing activities outlined in the USEPA approved RAWP Addendum are anticipated to begin in 3Q2011, following USEPA approval of the complete RAWP Addendum #2.
- Continue quarterly groundwater and surface water quality monitoring activities

7.2.2 MW19/Hot Spot 1 Area of Concern

- Continue quarterly groundwater quality and MNA performance monitoring activities.

7.3 Wetland Monitoring, Invasive Species Control, and Reporting

The 2009 Compensatory Mitigation Monitoring Report was submitted on December 28, 2009. 2009 is considered the fifth and final growing season where semiannual monitoring and reporting is required by the 2005 GP-4 wetlands permit. However, as outlined in the report, annual monitoring and invasive species control events will continue on a semi-annual basis as

required by permit conditions until agency sign-off is obtained. Additional wetland restoration, monitoring and reporting issues were addressed in the Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004), submitted September 3, 2009. USEPA provided comments on the Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW-30 area specific comments were submitted to the USEPA on February 1, 2010 and approved by USEPA in their email dated February 22, 2010.

Wetland monitoring in 2011 will occur the week of May 23rd and during September 2011 with the subsequent annual report submitted during December 2011.

Tables

TABLE 1
Dayco Corporation/L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Elevations

WELL LOCATION	MONITORING DEVICE TYPE	PROFESSIONAL SURVEY INFORMATION [2]							QUARTERLY MEASUREMENT INFORMATION						
		BASELINE LOCATION (FT) NJ State Plane Coordinates		GEODETIC LOCATION		ELEVATION (FT. MSL)									
		(Y) North	(X) East	LATITUDE	LONGITUDE	GROUND [6]	OUTER CASING	INNER WELL CASING	MEAS. DATE	PRODUCT DEPTH	WATER DEPTH	PRODUCT ELEVATION	WATER ELEVATION	PRODUCT THICKNESS (FT)	CORRECTED WATER ELEVATION
GEI-3I	Piezometer	754311.79	470453.7	40° 54' 14.8"	74° 34' 43.7"	636.96	639.39	639.25	14-Mar-11		8.98	--	630.27		
MW-8	Monitoring Well	754099.29	471251.06	40° 54' 12.7"	74° 34' 33.3"	627.39	629.96	628.19	14-Mar-11		1.55	--	626.64		
MW-9	Monitoring Well	754075.94	471111.03	40° 54' 12.5"	74° 34' 35.1"	628.61	631.09	629.58	14-Mar-11		1.90	--	627.68		
MW-12S(R)	Monitoring Well	754055.97	471042.34	40° 54' 12.3"	74° 34' 35.9"	631.57	634.26	633.73	14-Mar-11		6.02	--	627.71		
MW-13S	Monitoring Well	754353.97	471370.04	40° 54' 15.3"	74° 34' 31.7"	627.74	630.80	630.63	14-Mar-11		3.57	--	627.06		
MW-13S(R)	Monitoring Well	754333.07	471365.71	40° 54' 15.0"	74° 34' 31.8"	627.66	630.36	629.99	14-Mar-11		2.54	--	627.45		
MW-13I	Monitoring Well	754337.8	471360.31	40° 54' 15.1"	74° 34' 31.9"	627.76	630.28	630.06	14-Mar-11		2.35	--	627.71		
MW-15S	Monitoring Well	754326.58	470891.83	40° 54' 15.0"	74° 34' 38.0"	634.23	636.43	636.17	14-Mar-11		7.51	--	628.66		
MW-15I	Monitoring Well	754325.8	470901.47	40° 54' 15.0"	74° 34' 37.9"	634.14	636.28	636.06	14-Mar-11		7.41	--	628.65		
MW-17(S)	Monitoring Well	754109.68	470759.85	40° 54' 12.8"	74° 34' 39.7"	632.35	634.32	634.19	14-Mar-11		5.05	--	629.14		
MW-18S	Monitoring Well	754677.95	471117.26	40° 54' 18.4"	74° 34' 35.0"	627.62	630.88	630.66	Abandoned November 2010						
MW-18I	Monitoring Well	754675.11	471106.07	40° 54' 18.4"	74° 34' 35.2"	627.75	630.59	630.44	Abandoned November 2010						
MW-19R	Monitoring Well	754533.15	470461.18	40° 54' 17.4"	74° 34' 42.2"	635.19	635.31	634.95	14-Mar-11		4.73	--	630.22		
MW-19-5R	Monitoring Well	754565.77	470474.05	40° 54' 17.7"	74° 34' 42.0"	635.51	635.54	635.20	14-Mar-11		5.46	--	629.74		
MW-19-6R	Monitoring Well	754574.70	470439.39	40° 54' 17.8"	74° 34' 42.4"	635.87	635.85	635.46	14-Mar-11		5.70	--	629.76		
MW-19-7R	Monitoring Well	754591.32	470496.36	40° 54' 17.9"	74° 34' 41.7"	635.30	635.36	634.97	14-Mar-11		5.43	--	629.54		
MW-19-8	Monitoring Well	754617.50	470493.62	40° 54' 18.2"	74° 34' 41.7"	635.57	635.52	635.11	14-Mar-11		5.59	--	629.52		
MW-19-9D	Monitoring Well	754590	470442	40° 54' 17.9"	74° 34' 42.4"	636.39	636.41	636.10	Abandoned November 2010						
MW-19-12	Monitoring Well	754627.53	470529.72	40° 54' 18.3"	74° 34' 41.3"	634.93	634.93	634.46	14-Mar-11		4.98	--	629.48		
MW-19-13	Monitoring Well	754579.37	470528.59	40° 54' 17.8"	74° 34' 41.3"	634.87	634.81	634.33	14-Mar-11		4.57	--	629.76		
MW-19-14	Monitoring Well	754533.49	470484.56	40° 54' 17.4"	74° 34' 41.9"	635.07	635.14	634.82	14-Mar-11		4.59	--	630.23		
MW-19-15	Monitoring Well	754486.40	470446.05	40° 54' 16.9"	74° 34' 42.4"	635.56	635.57	635.26	14-Mar-11		4.94	--	630.32		
MW-19-16	Monitoring Well	754505.02	470534.21	40° 54' 17.1"	74° 34' 41.2"	634.66	634.67	634.35	14-Mar-11		4.09	--	630.26		
MW-19-17	Monitoring Well	754602.50	470442.02	40° 54' 18.1"	74° 34' 42.4"	636.26	636.25	635.85	14-Mar-11		6.20	--	629.65		
MW-21 [3]	Monitoring Well	754240.97	471645.78	40° 54' 14.1"	74° 34' 28.2"	624.57	628.49	628.20	14-Mar-11		1.15	--	627.05		
MW-25(R) [3]	Monitoring Well	754201.83	471518.21	40° 54' 13.7"	74° 34' 29.8"	624.65	626.77	626.62	14-Mar-11		2.31	--	624.31		
MW-27s	Monitoring Well	754253.78	470672.69	40° 54' 14.613"	74° 34' 39.402"	635.82	635.78	635.07	14-Mar-11		5.84	--	629.23		
MW-28S	Monitoring Well	754243.26	471034.34	40° 54' 14.512"	74° 34' 34.692"	628.20	631.28	631.14	14-Mar-11		3.07	--	628.07		
MW-28I	Monitoring Well	754242.87	471031.19	40° 54' 14.508"	74° 34' 34.733"	628.25	631.20	631.04	14-Mar-11		2.96	--	628.08		
MW-29S	Monitoring Well	754411.14	471187.85	40° 54' 16.172"	74° 34' 32.694"	629.94	632.83	632.66	14-Mar-11		5.20	--	627.46		
MW-30S	Monitoring Well	754281.65	471265.12	40° 54' 14.893"	74° 34' 31.686"	624.99	628.24	628.24	14-Mar-11		0.98	--	627.26		
MW-30I	Monitoring Well	754286.42	471263.15	40° 54' 14.941"	74° 34' 31.712"	625.14	628.15	628.01	14-Mar-11		0.70	--	627.31		
MW-30D	Monitoring Well	754290.05	471261.2	40° 54' 14.976"	74° 34' 31.737"	625.20	628.22	628.02	14-Mar-11		0.58	--	627.44		
MW-31S	Monitoring Well	754241.65	471341.5	40° 54' 14.499"	74° 34' 30.691"	627.94	630.00	629.82	14-Mar-11		4.65	--	625.17		
MW-32S	Monitoring Well	754207.08	471359.83	40° 54' 14.157"	74° 34' 30.452"	628.15	630.33	630.18	14-Mar-11		4.86	--	625.32		
MW-33S	Monitoring Well	754170.51	471311.04	40° 54' 13.796"	74° 34' 31.087"	628.85	631.06	630.91	14-Mar-11		5.11	--	625.80		
MW-34S	Monitoring Well	754178.83	471399.49	40° 54' 13.879"	74° 34' 29.935"	628.07	629.97	629.93	14-Mar-11		4.79	--	625.14		
MW-35S	Monitoring Well	754179.62	471445.17	40° 54' 13.887"	74° 34' 29.340"	627.43	629.59	629.19	14-Mar-11		3.95	--	625.24		
SG-R2 [3]	Rockaway River Monitoring Point	754056.10	470946.46	40° 54' 12.662"	74° 34' 35.834"	629.41	-	-	14-Mar-11		1.10	--	628.31		
SW-R-1 [4]	Rockaway River Monitoring Point	754125.56	471523.00	40° 54' 13.353"	74° 34' 28.326"	625.87	-	-	14-Mar-11		1.56	--	624.31		
SW-R-2 [4]	Rockaway River Monitoring Point	754112.82	471426.51	40° 54' 13.226"	74° 34' 29.582"	626.54	-	-	14-Mar-11		1.49	--	625.05		
SW-R-3 [4]	Rockaway River Monitoring Point	754149.30	471368.76	40° 54' 13.586"	74° 34' 30.335"	626.25	-	-	14-Mar-11		0.90	--	625.35		
SW-R-4 [4]	Rockaway River Monitoring Point	754088.00	471279.58	40° 54' 12.980"	74° 34' 31.496"	627.57	-	-	14-Mar-11		1.96	--	625.61		
SW-R-5 [4]	Rockaway River Monitoring Point	754314.04	470408.85	40° 54' 15.206"	74° 34' 42.839"	640.66	-	-	14-Mar-11		0.95	--	639.71		
SW-R-6 [4]	Rockaway River Monitoring Point	754071.52	470697.75	40° 54' 12.812"	74° 34' 39.073"	631.68	-	-	14-Mar-11		--	--	--		
SW-D-1 [5]	Drainage Channel Staff Gauge	754428.36	471240.17	40° 54' 16.343"	74° 34' 32.013"	625.75	-	-	14-Mar-11		--	--	--		
SW-D-2 [5]	Drainage Channel Staff Gauge	754285.35	471361.22	40° 54' 14.931"	74° 34' 30.435"	626.07	-	-	14-Mar-11		2.21	--	623.86		
SW-D-3 [5]	Drainage Channel Staff Gauge	754381.23	471548.18	40° 54' 15.880"	74° 34' 28.001"	625.70	-	-	14-Mar-11		1.75	--	623.95		
SW-D-4	Drainage Channel Monitoring Point	754295.56	471291.74	40° 54' 15.047"	74° 34' 31.355"	625.02	-	-	14-Mar-11		1.19	--	623.83		
SW-D-5	Drainage Channel Monitoring Point	754222.49	471912.85	40° 54' 14.321"	74° 34' 23.155"	623.87	-	-	14-Mar-11		1.10	--	622.77		
DRC-2	Drainage Channel Monitoring Point	754117.49	471971.58	40° 54' 13.277"	74° 34' 22.483"	623.29	-	-	14-Mar-11		N/A	--	--		

FOOTNOTES
(1) Reference elevation measured at the top of a 3.33 ft. Staff gauge. Water depth based on a visual observation of the water level on the Staff gauge.
(2) Horizontal Datum: New Jersey State Plane Coordinate System NAD 83. Vertical Datum: NAVD 88
(3) New SG-R2 replaced the old SG-R2 installed in Nov. 1998. Professional survey performed by James M. Stewart, Inc., Philadelphia, PA May 2004. SG-R2 is a chiseled arrow on Iron Beam
(4) As outlined in the PRMP the six (6) new Rockaway River monitoring points reference survey elevation was shot at the top of a stake installed to each point
(5) SW-D-1, SW-D-2 and SW-D-3 were resurveyed points at the top of the stake that secures each drainage ditch staff gauge.
These points were reshot to insure the reference elevation integrity remained for each of the 3 staff gauges as a result of source reduction remedial disturbence.
(6) Ground reference elevation for SG and SW series gauges and monitoring points is a point specific to each device (I.e., top of stake, top of gauge, notched point on concrete or iron etc)
(7) Corrected water level elevations utilize an average specific gravity of 0.9363 (RMT, Inc. product sampling in October 1999)

TABLE 2
DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

THROUGH 1st QUARTER 2011

MONITORING WELLS	ANALYTICAL PARAMETERS							
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)	1,3-Butadiene
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334	
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3	
NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA			0.2	700	600	1,000	2	
		HIGHER OF NJGWQS AND PQL	1	700	600	1,000	3	
MW19								
Dilution factor for BTEX 2000	24-Feb-95	1	< 660	***1,700***	***110,000***	***10,000***	NR	
Dilution factor for BTEX 100	14-Jun-95	2	***150***	***3,400***	***140,000***	***17,000***	NS	
Dilution factor 5000 for BTEX & 2 for DEHP; MDL for Benzene 1000 ug/l	24-Apr-98	2	< 1,000	***2,850***	***76,700***	***14,900***	***7***	
Dilution factor for BTEX 500	2-Aug-01	3	< 95	***3,000***	***62,000***	***17,000***	3	
Dilution factor for BTEX 1000	6-Jun-02	2	< 200	***1,000***	***30,000***	***6,000***	***6***	
Dilution factor for BTEX 100, Toluene 200	20-Nov-03	4	< 20	***1,500***	***40,000***	***7,400***	J ***6***	
	15-Jun-04	2	< 100	***1,400***	***46,000***	***6,600***	J ***4***	
Dilution factor for BTEX 100, Toluene 500	10-Aug-04	3	< 20	***2,100***	***56,000***	***11,000***	J 2	
Dilution factor for BTEX 50	13-Jan-05	1	< 10	***750***	***18,000***	***3,600***	< 1	
Lower Grab Water Sample; Dilution factor for BTEX 5	8-Apr-05	2	< 1	97	***1,300***	530	J 3	
Upper Grab Water Sample; Dilution factor for Toluene 5	8-Apr-05	2	< 0.2	86.0	410.0	430.0	J 3	
Dilution factor for BTEX 200	27-Jul-05	3	< 40	***1,100***	***44,000***	***6,000***	J 2	
Dilution factor for BTEX 100	27-Oct-05	4	< 20	200	***10,000***	***1,200***	J ***5***	
Dilution factor for BTEX 250	28-Feb-06	1	< 50	***880***	***28,000***	***4,900***	J 3	
Dilution factor for BTEX 200	20-Jun-06	2	< 40	***1,600***	***53,000***	***8,700***	J 3	
Dilution factor for BTEX 200	13-Sep-06	3	< 40	***2,100***	***51,000***	***11,000***	J 3	
Dilution factor for BTEX 200	8-Nov-06	4	< 40	***2,200***	***59,000***	***11,000***	J 2	
Dilution factor for BTEX 500	8-Feb-07	1	< 500	***1,900***	***93,000***	***9,800***	< 1	
Dilution factor for BTEX 50, Toluene 200	27-Jun-07	2	< 50	680	***32,000***	***3,000***	< 1	
Dilution factor for BTEX 100, Toluene 500	12-Sep-07	3	< 100	***1,500***	***76,000***	***7,300***	3	
Dilution factor for BTEX 250, DEHP 1.1	4-Dec-07	4	< 250	***1,500***	***49,000***	***7,500***	< 1	
	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1	
Dilution factor for BEX 100, Toluene 200, DEHP 1.05	7-May-08	2	< 100	650	***26,000***	***2,800***	< 1	
Dilution factor for Benzene 10, Ethylbenzene & Xylenes 200, Toluene 500	7/23/2008	3	< 10	***1,000***	***35,000***	***5,400***	< 1	
Dilution factor for BTEX 200	10/29/2008	4	< 40	***1,400***	***43,000***	***6,800***	J 3	
Dilution factor for Benzene 50, Ethylbenzene & Xylenes 50, Toluene 500	1/14/2009	1	< 45	700	***34,000***	***3,500***	J 2	
Dilution factor for BEX 50, Toluene 500	4/8/2009	2[5]	< 45	***940***	***37,000***	***4,800***	J 3	
Dilution factor for BEX 50, Toluene 500	7/22/2009	3	< 45	***1,100***	***48,000***	***5,700***	J 1	
		MW-19 abandoned Ocober 14, 2009						
MW19R								
	12/8/2010	4	< 0.5	400	**1000**	**1200**	1.2	
	3/14/2011	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1	< 1.0
MW19-5R								
Toluene 1000	8-Dec-10	4	**19**	**2700**	**80000**	**15000**	1.4	
500	16-Mar-11	1	**20**	**2100**	**92000**	**11000**	< 0.95	< 1.0
MW19-6R								
	8-Dec-10	4	< 0.5	7.1	100.0	63.0	**8.1**	
	14-Mar-11	1	< 0.5	8.1	33.0	38.0	1.1	< 1.0
MW19-7								
Dilution factor for BTEX 50	15-Nov-99	4	< 16	100	51	***1,400***	< 4	
Dilution factor for BTEX 2	1-Aug-01	3	***6.7***	6.6	13	680	< 0.4	
Dilution factor for BTEX 5	7-Mar-02	1	***3***	< 1	< 1	250	2	
	5-Jun-02	2	0.48	1.60	27	27	< 0.4	
	19-Nov-03	4	***4.7***	J 0.4	J 0.3	460	J 1.0	
	16-Jun-04	2	J ***2.8***	130.0	***2,100***	630	< 1.0	
	16-Jun-04	2[duplicate]	J ***4***	130	***2,100***	610	< 1	
	10-Aug-04	3	***2***	2	1	20	< 1	
Dilution factor for BTEX 2	12-Jan-05	1	***6.1***	90.0	240.0	760	< 1.0	
	12-Jan-05	1[duplicate]	***2.9***	45.0	120.0	380	< 1.0	
Lower Grab Water Sample; Dilution factor for BTEX 25	7-Apr-05	2	J ***9.5***	210.0	***2,700***	***1,400***	< 1.0	
Upper Water Grab Sample; Dilution factor for BTEX 10	7-Apr-05	2	J ***13***	370	***5,600***	***2,300***	< 1	
Lower Grab Water Sample	27-Jul-05	3	***2.2***	< 0.2	J 0.2	J 1.7	< 0.9	
Upper Grab Water Sample	27-Jul-05	3	***1.5***	< 0.2	J 0.5	J 2.4	< 1.0	
Dilution factor for BTEX 200	27-Oct-05	4	J ***62***	***710***	***16,000***	***3,600***	< 1	
Dilution factor for Total Xylenes 5	28-Feb-06	1	***7.5***	4.9	J 0.3	870	< 1.0	
Dilution factor for Total Xylenes 5	28-Feb-06	1[duplicate]	***7.5***	5.0	J 0.3	840	< 0.9	
	20-Jun-06	2	***6.5***	19.0	J 0.6	550	< 1.0	
Dilution factor for Total Xylenes 5	12-Sep-06	3	***4.9***	33.0	J 0.3	440	< 1.0	
	8-Nov-06	4	***2.6***	< 0.2	< 0.2	26	< 0.9	
	7-Feb-07	1	***2.6***	< 1.0	< 5.0	< 3.0	< 1.0	
	7-Feb-07	1[duplicate]	***2.6***	< 1.0	< 5.0	< 3.0	< 1.0	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	23	< 1.0	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution for DEHP 1.1	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1	
	19-Feb-08	1	< 1.0	7.3	55	36	< 1.0	
Dilution for DEHP 1.05	7-May-08	2	< 1.0	< 1.0	< 5.0	5.6	< 1.0	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	28-Oct-08	4[duplicate]	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	14-Jan-09	1	< 0.9	J 3.0	J 3.0	32.0	< 1.0	
	7-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
		MW-19-7 abandoned Ocober 13, 2009						
MW19-7R								
	8-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
Dilution factor ethylbenzene 100, toluene 1000, xylene 100	14-Mar-11	1	**11**	**1,400**	**33,000**	**6,200**	< 1.0	< 1.0
MW19-8								
Dilution factor for BTEX 50	15-Nov-99	4	< 0.31	< 0.38	< 0.34	< 0.40	< ***4.1***	
Dilution factor for BTEX 2	1-Aug-01	3	0.5	< 0.2	< 0.2	< 0.2	< 0.4	
	5-Jun-02	2	< 0.22	< 0.18	< 0.24	< 0.20	< 0.4	
	19-Nov-03	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9	
	17-Jun-04	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	11-Aug-04	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	12-Jan-05	1	< 0.2	J 0.3	< 0.2	< 0.6	< 1.0	
	11-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	< 1.0

TABLE 2
DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

THROUGH 1st QUARTER 2011

MONITORING WELLS	SAMPLE DATE	QUARTER	ANALYTICAL PARAMETERS Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)	1,3-Butadiene
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334	
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3	
NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA			0.2	700	600	1,000	2	
		HIGHER OF NJGWQS AND PQL	1	700	600	1,000	3	
MW19-12								
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	7-Nov-06	4 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9	
	6-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	26-Jun-07	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution for DEHP 1.11	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	13-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	7-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	10-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.96	
	20-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 0.98	
	24-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	< 0.96	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.96	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	< 1.0
MW19-13								
	7-Dec-10	4	***6.3***	42	1	400	< 0.95	
Dilution factor toluene 10	14-Mar-11	1	***2.6***	71	260	330	< 0.95	< 1.0
MW19-14								
	8-Dec-10	4	0.7	110	***1,800***	510	< 0.98	
	8-Dec-10	4 duplicate	< 0.5	120	***2,100***	580	< 1.0	
	16-Mar-11	1	< 0.5	< 0.5	1.4	< 1.5	< 0.99	< 1.0
	16-Mar-11	1 duplicate	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
MW19-15								
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.99	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	< 1.0
MW19-16								
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.96	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	< 1.0
MW19-17								
	8-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	< 1.0
MW-8								
	1-Sep-89	3						
	1-Jan-90	1						
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	15	< 1.0	
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	J 2	
	14-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	***8***	
	8-Apr-09	2 (5)	< 0.9	< 0.8	< 0.8	< 0.9	J 3	
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	J 2	
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	J 3	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	***3.9***	
	20-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	***16***	
	24-Aug-10	3	< 0.5	< 0.5	< 0.5	4.2	***4.8***	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	1.7	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	***3.5***	
MW-25R								
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	21-Jun-06	2 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	13-Sep-06	3	< 0.2	< 0.2	J 0.5	< 0.6	J 1.0	
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	26-Jun-07	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	1.6	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP is 1.3	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.3	
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution for DEHP 1.29	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.3	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	29-Oct-08	4	< 0.2	< 0.2	J 0.3	< 0.6	< 1.0	
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	7-Apr-09	2 (5)	< 0.9	< 0.8	< 0.8	< 0.9	J 1	
	22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	J 1	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	20-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 0.98	
	25-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	< 0.99	
	9-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
MW-27s								
	22-Jun-06	2	J 0.6	3.7	3.9	14	J 3.0	
	11-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 2.0	
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	J 1.0	
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.2	
Dilution factor for DEHP is 1.4	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.4	
Dilution factor for DEHP is 1.18	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2	

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THROUGH 1st QUARTER 2011

MONITORING WELLS	SAMPLE DATE	QUARTER	ANALYTICAL PARAMETERS: Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)	1,3-Butadiene
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334	
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3	
NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA			0.2	700	600	1,000	2	
		HIGHER OF NJGWQS AND PQL	1	700	600	1,000	3	
Dilution factor for DEHP is 1.18	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2	
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	14-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	8-Apr-09	2	< 0.9	< 0.8	< 0.8	J 1.0	< 1.0	
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	10-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	14-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	20-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	24-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	< 0.99	
	8-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.98	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	< 1.0
MW-28s								
Dilution factor for BTEX 5	21-Jun-06	2	J ***1.6***	560.0	< 1.0	***1,400***	***100***	
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3	J 0.2	210.0	< 0.2	450	***570***	
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3 duplicate	J 0.3	220.0	< 0.2	470	***550***	
Dilution factor for DEHP 10	7-Nov-06	4	< 0.2	92.0	< 0.2	180	***250***	
Dilution factor for DEHP is 20	7-Feb-07	1	< 1.0	70.0	< 5.0	150	***260***	
Dilution factor for DEHP is 20	7-Feb-07	1 duplicate	< 1.0	58.0	< 5.0	130	***250***	
	27-Jun-07	2	< 1.0	30.0	< 5.0	56	***28***	
Dilution factor for DEHP is 5	12-Sep-07	3	< 1.0	17.0	< 5.0	42	***49***	
Dilution for DEHP is 1.2	6-Dec-07	4	< 1.0	32.0	< 5.0	96	***14***	
Dilution for DEHP is 20	20-Feb-08	1	< 1.0	14.0	< 5.0	36	***39***	
Dilution for DEHP is 11.1	7-May-08	2	< 1.0	2.7	< 5.0	6.6	***160***	
Dilution for DEHP is 20	23-Jul-08	3	< 1.0	37	< 5.0	93	***420***	
Dilution for DEHP is 10	23-Jul-08	3 duplicate	< 1.0	41	< 5.0	100	***290***	
Dilution factor for DEHP 10	29-Oct-08	4	< 0.2	4.3	< 0.2	15	***300***	
Dilution factor for DEHP 10	15-Jan-09	1	< 0.9	17	< 0.8	64	***140***	
Dilution factor for DEHP 10	8-Apr-09	2	< 0.9	39	< 0.8	100	***200***	
Dilution factor for DEHP 10	22-Jul-09	3	< 0.9	18	< 0.8	53	***180***	
Dilution factor for DEHP 5	12-Nov-09	4	< 0.9	10	< 0.8	67	***130***	
	16-Feb-10	1	< 0.5	8.9	< 0.5	27	***65***	
Dilution factor for DEHP 2	16-Feb-10	1 duplicate	< 0.5	8.8	< 0.5	27	***100***	
Dilution factor for DEHP 5	21-Apr-10	2	< 0.5	22	< 0.5	71	***240***	
	25-Aug-10	3	< 0.5	5.7	< 0.5	12	***39***	
	25-Aug-10	3 duplicate	< 0.5	< 0.5	< 0.5	< 1.5	***29***	
	8-Dec-10	4	0.6	18.0	< 0.5	50.0	***92***	
	15-Mar-11	1	< 0.5	< 0.5	< 0.5	6.8	***51***	
	15-Mar-11	1 duplicate	< 0.5	< 0.5	< 0.5	5.8	***52***	
MW-28i								
Dilution factor for BTEX 5	22-Jun-06	2	< 1.0	480.0	< 1.0	***1,300***	***270***	
Dilution factor for Xylene and DEHP is 5	13-Sep-06	3	< 0.2	72.0	J 0.6	520	***180***	
	7-Nov-06	4	< 0.2	10.0	< 0.2	14	***90***	
Dilution factor for DEHP is 10	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	***76***	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	***3.9***	
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	***21***	
Dilution for DEHP is 1.3	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	1.4	
Dilution for DEHP is 5	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	***31***	
Dilution for DEHP is 1.11	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	***28***	
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	***49***	
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	***110***	
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	***61***	
	15-Jan-09	1 duplicate	< 0.9	< 0.8	< 0.8	< 0.9	***41***	
Dilution factor for DEHP 10	8-Apr-09	2 (5)	< 0.9	< 0.8	< 0.8	< 0.9	***240***	
	22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	***19***	
	12-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	***15***	
	12-Nov-09	4 duplicate	< 0.9	< 0.8	< 0.8	< 0.9	***11***	
	16-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	***12***	
	21-Apr-10	2	< 0.5	2.7	< 0.5	9.4	***26***	
	25-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	***11***	
	8-Dec-10	4	0.8	< 0.5	< 0.5	< 1.5	***25***	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	***28***	
MW-29s								
	22-Jun-06	2	< 0.2	J 0.2	< 0.2	J 0.6	J 1.0	
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 1.0	
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	***31***	
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dellution for DEHP 1.2	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2	
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP 1.05 [DUP-02]	19-Feb-08	1 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP 1.18	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	29-Oct-08	4	< 0.2	< 0.2	J 0.3	< 0.6	< 1.0	
	29-Oct-08	4 duplicate	< 0.2	< 0.2	J 0.2	< 0.6	< 0.9	
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	7-Apr-09	2 (4)	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	20-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	24-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.98	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
MW-30s								
	21-Jun-06	2	< 1.0	***1,200***	J 1.3	***3,900***	***740***	
Dilution factor for BTEX 20, DEHP is 500	13-Sep-06	3	< 4.0	***1,200***	46.0	***5,100***	***19,000***	
Dilution factor for BTEX 5, DEHP is 100	9-Nov-06	4	< 1.0	540	< 1.0	***2,600***	***2,500***	
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen	
Dilution factor for BTEX 5, DEHP is 2000	26-Jun-07	2	***2.1***	300	< 25	***1,200***	***13,000***	
Dilution factor for DEHP is 50	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	***880***	
Dilution factor for DEHP is 200	12-Sep-07	3 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	***1,700***	
Dilution factor for DEHP is12, BTEX is 5	6-Dec-07	4	***1.5***	34.0	110	260	***200***	
Dilution factor for DEHP is 111, BTEX is 5	20-Feb-08	1	< 5.0	110	< 25	480	***3,800***	

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MONITORING WELLS	SAMPLE DATE	QUARTER	ANALYTICAL PARAMETERS: Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)	1,3-Butadiene
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334	
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3	
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	600	1,000	2	
		HIGHER OF NJGWQS AND PQL	1	700	600	1,000	3	
Dilution factor for Total Xylene is 5, DEHP is 1.25	8-May-08	2	< 1.0	100	< 5.0	460	***9.6***	
	22-Jul-08	3	< 1.0	14	< 5.0	86	***80***	
DEHP Dilution 5	29-Oct-08	4	< 0.2	80	J 0.2	290	***180***	
	15-Jan-09	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen	
Dilution factor for DEHP is 50	8-Apr-09	2	< 0.9	74	< 0.8	340	***1,100***	
Dilution factor for DEHP is 10	22-Jul-09	3	< 0.9	8	< 0.8	34	***550***	
Dilution factor for DEHP is 10	11-Nov-09	4	< 0.9	63	< 0.8	140	***350***	
	15-Feb-10	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen	
Dilution factor for DEHP is 10	21-Apr-10	2	< 0.5	5.4	< 0.5	15	***480***	
Dilution factor for DEHP is 5	21-Apr-10	2 duplicate	< 0.5	6	< 0.5	22	***460***	
Dilution factor for DEHP is 2	24-Aug-10	3	< 0.5	12	< 0.5	19	***140***	
Dilution factor for DEHP is 5	8-Dec-10	4	< 0.5	16	< 0.5	38	***180***	
Dilution factor for DEHP is 5	8-Dec-10	4 duplicate	< 0.5	15	< 0.5	37	***250***	
	16-Mar-11	1	< 0.5	10	< 0.5	39	***390***	
MW-30i								
	21-Jun-06	2	J 0.3	38	1.4	170	J 2	
	13-Sep-06	3	< 0.2	1.5	< 0.2	4.9	***19***	
	8-Nov-06	4	< 0.2	J 0.2	< 0.2	< 0.6	J 1	
	8-Nov-06	4 duplicate	< 0.2	J 0.2	< 0.2	< 0.6	< 1.0	
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen	
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.3	
Dilution factor for DEHP 1.2	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2	
Dilution factor for DEHP 1.05	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP 1.05	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP 1.18	7-May-08	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	J 2	
	15-Jan-09	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen	
	8-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	J 3	
	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	J 2	
	23-Jul-09	3 duplicate	< 0.9	< 0.8	< 0.8	< 0.9	J 3	
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	J 1	
	15-Feb-10	1	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	
	21-Apr-10	2	< 0.5	1.9	< 0.5	2.0	1.7	
	24-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	1.7	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	16-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	2	
MW-30d								
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	J 3	
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J ***9***	
	8-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9	
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen	
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP 1.1	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1	
Dilution factor for DEHP 1.1	4-Dec-07	4 duplicate	< 1.0	< 1.0	7.7	< 3.0	< 1.1	
Dilution factor for DEHP 1.05	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP 1.05	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9	
	15-Jan-09	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen	
	8-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	21-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
	24-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	16-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
MW-31s								
Dilution factor for BTEX 500, DEHP 83.5	8-May-08	2	< 500	***5,500***	< ***2,500***	***27,000***	***310***	
Dilution factor for Benzene & Toluene 20, Ethylbenzene and Xylenes 250, DEHP 500	23-Jul-08	3	< 20	***9,000***	< 100	***49,000***	***16,000***	
Dilution factor for BTEX 50, DEHP 10	30-Oct-08	4	< 10	***7,900***	< 10	***40,000***	***760***	
Dilution factor for Benzene & Toluene 10, Ethylbenzene and Xylenes 100, DEHP 50	14-Jan-09	1	< 0.9	***4,400***	J 46	***25,000***	***3,100***	
Dilution factor for BTE 10 and Xylenes 100, DEHP 10	9-Apr-09	2	< 9	***2,300***	< 8	***9,600***	***690***	
Dilution factor for Benzene & Toluene 5, Ethylbenzene and Xylene 50, DEHP 500	23-Jul-09	3	J ***5***	***4,500***	J 10	***22,000***	***23,000***	
Dilution factor for Benzene Ethylbenzene & Toluene 5, Xylene 50, DEHP 10	12-Nov-09	4	< 5	***1,300***	J 5	***7,400***	***340***	
Dilution factor for Benzene & Toluene 5, Ethylbenzene & Xylene 50, DEHP 25	16-Feb-10	1	***4.4***	***4,000***	11	***17,000***	***1,000***	
Dilution factor for Ethylbenzene & Xylene 250, DEHP 25	22-Apr-10	2	***7.6***	***8,700***	16	***40,000***	***190***	
Dilution factor for Ethylbenzene & Xylene 100, DEHP 10	25-Aug-10	3	***3.6***	***760***	8.4	***12,000***	***440***	
Dilution factor for Ethylbenzene and Xylene is 50, DEHP 10	9-Dec-10	4	1.0	***730***	2.4	***4,100***	***1,100***	
Dilution factor for Ethylbenzene & Xylene 100, DEHP 25	17-Mar-11	1	***4.3***	***4,700***	14.0	***21,000***	***330***	
MW-32s								
Dilution factor for BTEX 200, DEHP 121000	8-May-08	2	< 200	***16,000***	< ***1,000***	***75,000***	***370,000***	
Dilution factor for Benzene & Toluene 50, Ethylbenzene and Xylenes 250, DEHP 200	23-Jul-08	3	< 50	***8,600***	< 250	***43,000***	***7,900***	
BTE 5, Xylenes 10, DEHP 100	30-Oct-08	4	J ***1.1***	***1,200***	J 1.7	***6,900***	***4,600***	
Dilution for BTE 50, Xylene 500, DEHP 500	15-Jan-09	1	< 45	***8,900***	< 40	***40,000***	***12,000***	
Dilution for Benzene & Ethylbenzene 20, Toluene & Xylenes 200, DEHP 100	8-Apr-09	2	< 18	***8,200***	< 16	***50,000***	***8,600***	
Dilution factor for BTE 50, Xylene & DEHP 200	23-Jul-09	3	< 45	***7,400***	< 40	***43,000***	***5,400***	
Dilltution factor for BTE 20, Xylene 200 & DEHP 100	12-Nov-09	4	< 18	***3,800***	< 16	***29,000***	***2,300***	
Dilution factor for Benzene & Toluene 5, Ethylbenzene & Xylene 50, DEHP 1000	16-Feb-10	1	***7.7***	***7,400***	10	***36,000***	***130,000***	
Dilution factor for Ethylbenzene and Xylenes 100, DEHP 40	22-Apr-10	2	***6.7***	***6,200***	14	***31,000***	***2,800***	
Dilution factor for Ethylbenzene and Xylenes 100, DEHP 100	25-Aug-10	3	***6.9***	***4,500***	4.5	***20,000***	***6,100***	
Dilution factor for Ethylbenzene and Xylene is 50, DEHP 200	9-Dec-10	4	0.9	***1,100***	0.5	***5,900***	***15,000***	
Dilution factor for Ethylbenzene and Xylene is 100, DEHP 50	17-Mar-11	1	***3.3***	***3,600***	0.55	***11,000***	***2,000***	

TABLE 2

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

Borough of Wharton, Morris County, New Jersey

Groundwater Monitoring Data

THROUGH 1st QUARTER 2011

MONITORING WELLS	ANALYTICAL PARAMETERS							
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)	1,3-Butadiene
UNITS			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
SOLUBILITY LIMIT			1,700,000	152,000	515,000	175,000	334	
PRACTICAL QUANTITATION LIMIT [PQL]			1	2	1	2	3	
NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA			0.2	700	600	1,000	2	
HIGHER OF NJGWQS AND PQL			1	700	600	1,000	3	
MW-33s								
Dilution factor for DEHP 1.25	8-May-08	2	***4***	6.6	< 5.0	27	***16***	
	23-Jul-08	3	***1.8***	< 1.0	< 5.0	3.3	***21***	
Dilution factor for DEHP 50	30-Oct-08	4	J 0.4	J 0.6	J 0.3	< 3.0	***5,500***	
Dilution factor for DEHP 200	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	***3,400***	
Dilution factor for DEHP 50	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	***1,100***	
Dilution factor for DEHP 500	23-Jul-09	3	< 0.9	< 0.8	< 0.8	J 2.0	***81,000***	
Dilution factor for DEHP 20	12-Nov-09	4	< 0.9	< 0.8	< 0.8	J 2.0	***790***	
Dilution factor for DEHP 250	16-Feb-10	1	< 0.5	0.5	< 0.5	5.1	***21,000***	
Dilution factor for DEHP 20	22-Apr-10	2	< 0.5	1.5	< 0.5	10	***910***	
Dilution factor for DEHP 10	25-Aug-10	3	< 0.5	< 0.5	< 0.5	5.9	***560***	
Dilution factor for DEHP is 100	9-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	***9,700***	
	17-Mar-11	1	< 0.5	2.5	< 0.5	14.0	***280***	
MW-34s								
DEHP 1.33	6-May-08	2	***1.3***	230	< 5.0	***1,200***	3	
Dilution factor for BTEX 20	23-Jul-08	3	< 20	470	< 100.0	***2,300***	1.6	
	30-Oct-08	4	< 0.2	2	< 0.2	180	***7***	
Dilution factor for BTE 10, Xylene 100	15-Jan-09	1	< 9	***2,700***	J 16.0	***13,000***	***7***	
Dilution for Benzene & Toluene 10, Ethylbenzene & Xylenes 100, DEHP 100	8-Apr-09	2	< 9	***3,600***	J 18.0	***18,000***	J ***5***	
Dilution for Benzene & Toluene 2, Ethylbenzene & Xylenes 20	23-Jul-09	3	< 2	***1,300***	J 5.0	***6,700***	***9***	
Ethylbenzene & Xylenes 10	12-Nov-09	4	< 0.9	440	< 0.8	1,000	J ***4***	
Dilution facor for Ethylbenzene and Xylene is 20	16-Feb-10	1	***1.5***	680	2.2	***2,300***	***13***	
Dilution factor for Ethylbenzene and Xylene is 100	22-Apr-10	2	***5.6***	***3,400***	44	***14,000***	***8.1***	
Dilution factor for Ethylbenzene and Xylene is 100	25-Aug-10	3	***4.7***	240	13	***1,200***	***22***	
	9-Dec-10	4	< 0.5	4	< 0.50	6	***8***	
	17-Mar-11	1	< 0.5	78	< 0.50	280	***7.7***	
MW-35s								
Dilution factor for Ethylbenzene and Total Xylenes 500, DEHP 57	6-May-08	2	***1.3***	230	< 5.0	***1,200***	***490***	
Dilution factor for Benzene & Toluene 10, Ethylbenzene and Xylenes 250, DEHP 20	23-Jul-08	3	***16***	***12,000***	260.0	***67,000***	***530***	
Dilution factor for Xylenes 100, Benzene 20, Toluene 20, Ethlbenzene 100, DEHP 10	30-Oct-08	4	J ***9.6***	***8,800***	34.0	***57,000***	***460***	
Dilution factor for Benzene and Toluene 20, Ethylbenzene, Xylene and DEHP 200	15-Jan-09	1	< 18	***12,000***	J 36.0	***88,000***	***3,500***	
Dilution factor for Benzene and Toluene 20, Ethylbenzene& Xylene 200, DEHP 50	8-Apr-09	2	< 18	***13,000***	J 40.0	***100,000***	***1,800***	
Dilution factor for Benzene & Toluene 20, Ethylbenzene and Xylene 200, DEHP 500	23-Jul-09	3	< 18	***14,000***	J 36.0	***92,000***	***20,000***	
Dilution factor for Benzene Ethylbenzene & Toluene 50, Xylene and DEHP 500	12-Nov-09	4	< 45	***8,900***	< 40.0	***69,000***	***3,000***	
Dilution factor for Benzene & Toluene 20, Ethylbenzene & Xylene 1000 and DEHP 25	16-Feb-10	1	< 10	***9,800***	30.0	***59,000***	***660***	
Dilution factor for Ethylbenzene & Xylene 200, and DEHP 25	22-Apr-10	2	***13***	***14,000***	35	***79,000***	***540***	
Dilution factor for Ethylbenzene & Xylene 1000, and DEHP 5	25-Aug-10	3	***8.7***	***10,000***	24	***61,000***	***280***	
Dilution for Ethylbenzene is 50, Xylene is 500, DEHP is 100	9-Dec-10	4	***7.5***	***9,200***	29	***51,000***	***3,400***	
Dilution for ethylbenzene is 200, xylene 200, bisethylhexylphthalate 25	17-Mar-11	1	***5.8***	***16,000***	30	***83,000***	***570***	
Atmospheric Blank	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	8-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	26-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	8-Feb-07	1	< 1.0	< 1.0	J 1.9	< 3.0	< 1.0	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
ATM-01	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
ATM-01, Dilution factor for DEHP 1.08	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	14-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	8-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
	20-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	24-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
	8-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.96	
	16-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
Rinsate Blank	14-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	22-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	10-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.1	
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	2.7	
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	

TABLE 2
DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

THROUGH 1st QUARTER 2011

MONITORING WELLS	SAMPLE DATE	QUARTER	ANALYTICAL PARAMETERS: Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)	1,3-Butadiene
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334	
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3	
NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA			0.2	700	600	1,000	2	
		HIGHER OF NJGWQS AND PQL	1	700	600	1,000	3	
RB-02	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
RB-03	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	5-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
RB-02	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
RB-03	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
RB-02	30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9	
RB-03	30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
RB-01	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
RB-02	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
RB-01	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
RB-02	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
RB-01	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
RB-02	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	J 2.0	
RB-02	12-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
RB-02	16-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
RB-02	21-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
RB-02	25-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
RB-02	9-Dec-10	4	< 0.5	< 0.5	0.6	< 1.5	< 0.96	
RB-03	9-Dec-10	4	< 0.5	< 0.5	0.7	< 1.5	**23**	
RB-01	17-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
RB-02	17-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.98	
RB-03	17-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.98	
Trip Blank								
	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	12-Sep-06	3	< 0.2	J 0.2	< 0.2	< 0.6	NA	
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	6-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	18-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	5-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	NA	
	5-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	NA	
	7-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	NA	
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	NA	
	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	NA	
	8-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	NA	
	10-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	NA	
	11-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	NA	
	11-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	NA	
	14-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	NA	
	21-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	NA	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	NA	
	8-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	NA	
	30-Nov-10	4	< 0.5	< 0.5	< 0.5	< 1.5	NA	
Trip Blank	16-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	NA	
TB-02	17-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	NA	
TB-03	18-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	NA	

LEGEND

ug/L = micrograms per liter
NJGWQS = New Jersey Groundwater Quality Standards
ROD : Record of Decision
NA = Not Applicable
NS = Not Sampled
ND : No Detection
" " = Duplicate sample
1.2 = Concentration exceeds NJGWQS
B : Analyte also detected in blank
J : Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

NOTES

(1) Low flow sampling initiated 1st quarter 2002
(2) GEI series wells are piezometers installed by Weston
(3) GEI series wells MW-19-3, and MW-19-4 are not sampled under revised groundwater monitoring program effective 1Q05
(4) Recovery of initial DEHP analysis was above QC limits in the LCS. Sample was re-extracted and DEHP was again above the QC limits in the LCS/LCSD. However, DEHP was not detected in the re-analysis of the sample. The data reported here is from the re-analysis of the sample.
(5) Recovery of initial DEHP analysis was above QC limits in the LCS. Sample was re-extracted and DEHP was again above the QC limits in the LCS/LCSD. Comparable data was observed between the two extractions. The data reported here is from the initial extraction of the sample.
(6) NJGWQS for toluene lowered August 2007

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Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	80	30	***589***	ND	ND	0.054	3.6 J	150	NS
	3Q04	630	30.9	***553***	ND	ND	0.12	1.7 J	230	NS
	1Q05	350	17.2	347	0.22	ND	ND	7.4	230	NS
	2Q05[L]	390	10.8 J	413	2.8	ND	ND	33.3	3.0 J	NS
	2Q05[U]	1,400	15	455	3	ND	ND	30	2.0 J	NS
	3Q05	3	67	***1,070***	0	1.3	ND	6	33	NS
	4Q05	120	23	***620***	1	0.88	ND	37	19	NS
	1Q06	25	36	***559***	ND	ND	ND	3.3 J	140	NS
	2Q06	56	44	460	ND	0.43 J	ND	3.2 J	95	ND
Dilution factor for Methane 5	3Q06	60	13	435	ND	0.43 J	ND	5	310	ND
Dilution factor for Methane 100	4Q06	20	16	411	ND	ND	0	2.9 J	1,700	ND
	1Q07	140	7	340	ND	ND	ND	ND	540	ND
	2Q07	180	20	***1,100***	ND	0.62	ND	ND	380	ND
	3Q07	1,200	23	***710***	ND	0.76	0	ND	300	ND
	4Q07	FS	30	500	ND	0.64	0	ND	680	ND
	1Q08	150	3.6	190	2	ND	ND	25	ND	ND
Dilution factor for Dissolved Lead 5	2Q08	1,900	26	***1,200***	ND	0.52	ND	ND	650	ND
	3Q08	740	6.2	***820***	ND	0.57	ND	ND	510	ND
Dilution for methane 50	4Q08	120	8.0 J	***662***	ND	0.60	0.14	ND	4,000	ND
Dilution for methane 10	1Q09	13	25.2	356	ND	ND	ND	3.6 J	2,200	ND
Dilution for methane 50	2Q09	36	12.8	***670***	ND	ND	ND	2.4 J	4,800	ND
	3Q09	25	11.2 J	353	ND	ND	ND	ND	5,300	ND
MW-19R										
Dilution factor for Nitrate and Sulfate 5	4Q10	7200	22	***880***	ND	0.13	0.086	70	280	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	290	ND	***1000***	3.5	0.044	ND	81	ND	ND
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	180	14	***942***	0.06 J	ND	ND	15.7	2100	NS
	1Q05	380	3.6 J	174	0.49	ND	ND	15.8	34	NS
	2Q05[L]	3000	3.6 J	177	ND	ND	ND	12	380	NS
	2Q05[U]	100	3.6 J	141	0.43	ND	ND	8.7	ND	NS
	3Q05	69	6.8 J	463	ND	ND	ND	7.7	1700	NS
	4Q05	58	ND	144	0.38	ND	ND	12.8	3.8 J	NS
	1Q06	12	ND	287	0.97 J	ND	ND	11.2	290	NS
	2Q06	22	9.2 J	190	0.19	ND	ND	14.2	150	ND
Dilution factor for Methane 10	3Q06	30	ND	275	0.12	ND	ND	10.2	700	ND
Dilution factor for Methane 10	4Q06	620	ND	236	0.1	ND	ND	10.9	640	ND
	1Q07	240	7	340	ND	0.51	ND	ND	500	**0.011**
	2Q07	91	18	350	ND	0.13	ND	ND	570	ND
Dilution factor for Methane 4	3Q07	110	7.8	360	ND	ND	ND	ND	840	ND
	4Q07	FS	5.1	240	0.13	0.14	0.12	7.8	370	ND
	1Q08	380	1.9	120	0.16	ND	ND	7.2	ND	ND
	1Q08D	170	1.8	120	0.15	ND	ND	7.2	ND	ND
	2Q08	560	3.3	370	0.15	ND	ND	13	340	ND
Dilution factor for Methane 4	3Q08	100	16	***560***	ND	0.3	ND	ND	1,500	ND
	4Q08	46	ND	164	0.35	ND	ND	15.1	59	ND
Dilution factor for Methane 2	1Q09	33	ND	143	0.047 J	ND	ND	11	530	ND
Dilution factor for Methane 5	2Q09	27	ND	250	0.069 J	ND	ND	6.4	1,300	ND
Dilution factor for Methane 5	2Q09D	110	ND	250	0.071 J	2.6	ND	6.4	1,400	ND
Dilution factor for Methane10	3Q09	25	3.2 J	399	ND	ND	ND	6.7	3400	ND
MW-19-5R										
Dilution factor for Nitrate and Sulfate 5, Methane 250	4Q10	4800	42	***600***	***ND***	0.37	0.18	14	4600	ND
Dilution factor for Nitrate and Sulfate 5, Methane 100	1Q11	1100	9	***630***	0.7	0.32	0.071	82	5000	ND
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	35	10.4 J	***1670***	1.6	ND	ND	37.3	140	NS
	3Q04	110	18.8	***1240***	1.1	ND	0.062	38.3	140	NS
	1Q05	82	11.2 J	***544***	1.7	ND	ND	44	130	NS
	2Q05[L]	23	18	***1180***	1.3	0.29 J	ND	33.5	44	NS
	2Q05[U]	160	ND	***1190***	1	ND	ND	32.7	96	NS
	3Q05	90	40.8	***1520***	1.1	ND	ND	35	38	NS
	4Q05	43	10.8 J	***940***	3.5	ND	ND	47.8	43	NS
	1Q06	14	4.4 J	***634***	1.8	ND	ND	36.6	50	NS
	2Q06	14	ND	***802***	2	ND	ND	38.3	44	ND
	2Q06D	15	ND	***790***	2	ND	ND	37.7	45	ND
	3Q06	75	4.4 J	***682***	2.6	ND	ND	37.1	32	ND
	4Q06	240	ND	***574***	2.3	ND	ND	38.3	31	ND
	1Q07	62	5.3	490	2.4	ND	ND	34	21	ND
	2Q07	70	8.7	***1900***	2.9	ND	ND	48	230	ND
	3Q07	100	2.6	***820***	2	ND	ND	40	68	ND
	4Q07	FS	3.2	***710***	2.3	ND	ND	36	87	ND
	1Q08	120	2.6	***650***	1.1	ND	ND	28	78	ND
	2Q08	22	2.9	***1,200***	1.9	ND	ND	32	27	ND
	3Q08	140	6.2	***1,400***	1.3	ND	ND	34	140	ND
	4Q08	31	ND	***938***	2.9	ND	ND	36.4	110	ND
	1Q09	8	ND	***600***	1.5	ND	ND	32.2	89	ND
	2Q09	15	3.6 J	***1,380***	2.2	ND	ND	37.4	140	ND

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Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
	3Q09	6	4.0 J	***938***	1.5	ND	ND	36.1	230	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	260	8	***1,200***	0.69	0.028	ND	38	60	ND
MW-19-6R										
Dilution factor for Nitrate and Sulfate 5	4Q10	46000	9	***620***	1.5	0.012	ND	39	7.6	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	260	8	***1200***	0.69	0.028	ND	38	60	ND
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	110	6.8 J	***2110***	0.21	ND	ND	47.2	5200	NS
	2Q04D	88	9.2 J	***2040***	0.21	0.15 J	ND	37.3	5400	NS
	3Q04	2000	4.4 J	***1920***	1.5	ND	ND	64.4	2400	NS
Dilution factor for Methane 250	1Q05	75	6.0 J	***774***	3.2	ND	ND	29.1	10000	NS
Dilution factor for Methane 250	1Q05D	77	7.2 J	***754***	3.2	ND	ND	30.5	11000	NS
	2Q05[L]	32	54	472	ND	0.50 J	0.45	ND	13000	NS
	2Q05[U]	41	48	481	ND	0.35 J	0.32	ND	10000	NS
	3Q05[L]	17	45.6	***1450***	ND	ND	0.3	19.2	2900	NS
	3Q05[U]	17	31.6	***1280***	0.22	0.29 J	0.1	25.7	1600	NS
Dilution factor for Methane 250	4Q05	16	32	***926***	0.16	0.5	0.23	8.9	7700	NS
	1Q06	14	33.2	***621***	ND	ND	0.3	2.2 J	10000	NS
	1Q06D	10	36.8	***628***	ND	ND	0.3	1.6 J	10000	NS
Dilution factor for Methane 200	2Q06	68	16.8	***655***	0.87	ND	0.16	12.9	11000	ND
Dilution factor for Methane 100	3Q06	79	9.2 J	***799***	2.1	ND	0.15	15.1	8600	ND
Dilution factor for Methane 100	4Q06	600	4.4 J	***568***	3.4	ND	ND	31.3	5600	ND
Dilution factor for Methane 4	1Q07	38	18	420	0.59	ND	0.31	11	1200	ND
Dilution factor for Methane 5	1Q07D	40	19	440	0.69	ND	0.31	12	1300	ND
	2Q07	130	4.4	***610***	0.25	ND	ND	12	530	ND
	3Q07	890	1.8	***590***	0.39	ND	ND	16	120	ND
	4Q07	FS	2.2	***1200***	2.6	0.23	ND	21	170	ND
	1Q08	180	6.7	***1600***	3.2	ND	ND	24	300	ND
	2Q08	52	6.8	***1100***	0.24	0.12	ND	17	430	ND
	3Q08	340	15	***560***	ND	0.11	0.11	ND	400	ND
Dilution factor for Methane 5	4Q08	270	3.25	***617***	1.1	ND	ND	20	550	ND
Dilution factor for Methane 5	4Q08D	110	ND	***625***	1.1	ND	ND	20.6	570	ND
	1Q09	34	4.0 J	***2280***	1.9	ND	ND	31.9	280	ND
	2Q09	98	23.6	***3010***	1.1	ND	ND	31.2	400	ND
	3Q09	250	5.2 J	***1250***	0.33	ND	ND	29	740	ND
MW-19-7R										
Dilution factor for Nitrate and Sulfate 5	4Q10	2800	10	***560***	2.1	0.2	0.23	35	35	ND
Dilution factor for Nitrate and Sulfate 5, Methane 100	1Q11	43	10	***1300***	ND	0.28	0.26	16	3300	ND
MW-19-8	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	45	14.4	***1120***	ND	ND	0.15	22.8	79	NS
	3Q04	15	7.2 J	***573***	ND	0.24 J	0.12	11.5	790	NS
Dilution factor for Methane 5	1Q05	91	25.2	***1150***	ND	ND	0.18	16.3	510	NS
	2Q05	270	20	***796***	ND	ND	ND	23.7	5.3	NS
	3Q05	ND	8.8 J	876	0.33	0.26 J	ND	20.3	74	NS
	4Q05	210	4.4 J	***926***	0.88	ND	ND	24.6	24	NS
Dilution factor for Nitrate an Sulfate is 5	1Q11	40	4	***1900***	2.6	0.026	ND	37	1.2	NS
MW-19-9D	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	210	6.0 J	***621***	0.14	0.33 J	ND	18.2	1300	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19-10	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	34	6.8 J	***563***	ND	ND	ND	18	2.6 J	NS
	3Q04	18	10.4 J	***908***	ND	ND	ND	19.2	3.3 J	NS
	3Q04D	22	10.8 J	***890***	ND	0.24 J	ND	17.9	2.9 J	NS
	1Q05	29	5.2 J	***625***	ND	ND	ND	16.9	74	NS
	2Q05[L]	170	32.4	***653***	ND	ND	ND	18.1	48	NS
	2Q05[U]	93	32	***691***	ND	0.12 J	ND	18.3	48	NS
	3Q05	26	10.4 J	***560***	ND	ND	ND	16	ND	NS
	4Q05	56	17.2	***654***	ND	ND	ND	15.3	3.2 J	NS
MW-19-11	1Q05	940	4.8 J	***4750***	2.2	ND	ND	65.6	9.9	NS
	2Q05[L]	NS	64	731	ND	0.42 J	ND	18	930	NS
	2Q05[U]	14	27.2	***740***	ND	ND	ND	17.2	1200	NS
	3Q05	63	106	***555***	ND	ND	0.11	21.5	26	NS
Dilution factor for Methane 10	4Q05	80	15.2	***854***	ND	0.32 J	ND	25.5	440	NS
MW-19-12[3]	2Q06	4,000	11.2 J	***548***	0.048 J	ND	ND	15.1	4.8 J	ND
Dilution factor for Methane 5	3Q06	170	6.4 J	***822***	0.36	ND	ND	22.9	170	ND
	4Q06	2	4.4 J	***716***	0.22	ND	ND	21.3	130	ND
	4Q06D	2	ND	***718***	0.17	ND	ND	21.8	130	ND
	1Q07	4	5.5	400	0.56	0.12	ND	20	ND	ND

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	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
	2Q07	55	ND	240	0.93	ND	ND	13	ND	ND
	2Q07D	8	ND	270	0.93	ND	ND	13	ND	ND
	3Q07	73	ND	290	0.89	ND	ND	13	ND	ND
	4Q07	FS	3	260	0.9	ND	ND	11	ND	ND
	1Q08	9	ND	160	0.84	ND	ND	5.7	ND	ND
	2Q08	ND	1.1	220	1	ND	ND	10	ND	ND
	3Q08	2	1.7	220	0.72	ND	ND	8.1	ND	ND
	4Q08	7	ND	269	0.79	ND	ND	16.6	ND	ND
	1Q09	4	ND	170	1.1	ND	ND	18.3	ND	ND
	2Q09	320	5.2 J	334	0.94	ND	ND	18.5	ND	ND
	3Q09	18	ND	261	0.9	6.2	ND	13.3	ND	ND
	4Q09	ND	ND	263	0.81	ND	ND	15.3	ND	ND
Dilution factor for Nitrate an Sulfate is 5	4Q10	ND	ND	280	0.78	ND	0.057	15	ND	ND
Dilution factor for Nitrate an Sulfate is 5	1Q11	4	14	280	1	0.028	ND	11	ND	ND
MW-19-13										
Dilution factor for Nitrate and Sulfate 5	4Q10	5,600	110	***560***	ND	0.33	0.19	26	9,600	ND
Dilution factor for Nitrate and Sulfate 5, Methand 50	1Q11	9,000	130	470	3.5	0.059	0.17	66	2,000	ND
MW-19-14										
Dilution factor for Nitrate and Sulfate 5, Methane 2	4Q10	31,000	24	***870***	0.32	0.16	ND	65	95	ND
Dilution factor for Nitrate and Sulfate 5, Methane 2	4Q10D	27,000	24	***970***	0.36	0.014	ND	67	37	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	320	ND	***940***	3.5	0.037	ND	93	ND	ND
Dilution factor for Nitrate and Sulfate 5	1Q11D	340	ND	***920***	3.4	0.042	ND	93	ND	ND
MW-19-15										
Dilution factor for Nitrate and Sulfatae 5	4Q10	88,000	21	***510***	0.55	0.13	ND	34	6	ND
Dilution factor for Nitrate an Sulfate is 5	1Q11	2,200	7	***1400***	3.4	0.015	ND	54	ND	ND
MW-19-16										
Dilution factor for Nitrate and Sulfatae 5	4Q10	2,100	9	***980***	0.7	0.016	ND	87	ND	ND
Dilution factor for Nitrate an Sulfate is 5	1Q11	740	ND	***950***	4.6	0.012	ND	100	ND	ND
MW-19-17										
Dilution factor for Nitrate and Sulfatae 5	4Q10	130	9	380	ND	0.73	0.13	4.8	980	ND
Dilution factor for Nitrate an Sulfate is 5	1Q11	64	14	***1300***	ND	0.91	0.092	13	33	ND
MW-8										
Dilution factor for Methane 10	3Q08	ND	66	300	ND	0.68	0.4	ND	3,000	ND
Dilution factor for Methane 20	4Q08	5,200	33.6	94.5	ND	0.35 J	ND	1.9 J	1,800	ND
Dilution factor for Methane 10	1Q09	51	56.8	270	ND	0.64	0.16	ND	2,600	ND
Dilution factor for Methane 50	2Q09	450	28	174	ND	ND	ND	ND	6,100	ND
	3Q09	75	40	407	ND	ND	0.13	2.5 J	2,400	ND
Dilution factor for Methane 20	4Q09	84	42.5	191	ND	0.53 J	ND	ND	5,600	ND
Dilution factor for Nitrate, and Ammonia 5,TDS & TSS 2	1Q10	46	62	280	0.35	0.44	0.24	ND	1,500	ND
Dilution factor for Nitrate and Methane 5, TDS 20	2Q10	240	36	ND	ND	0.24	0.24	ND	140	ND
Dilution factor for Nitrate 5, Methane 100	3Q10	100	70	490	ND	0.61	0.29	7.7	4,900	ND
Dilution for Methane 100, Nitrate and Sulfate 5	4Q10	44	58	200	ND	0.27	0.15	ND	1,800	ND
Dilution for Methane 50, Nitrate and Sulfate 5	1Q11	57	31	500	0.089	0.35	0.18	ND	2,000	ND
MW-25R	2Q06	1,100	18.8	340	ND	0.24 J	ND	2.9 J	140	ND
	3Q06	>5700	279	329	ND	0.24 J	0.14	3.3 J	30	ND
	4Q06	1,000	16.8	331	ND	ND	ND	6.2	25	ND
	1Q07	240	49	300	ND	0.12	ND	ND	29	ND
	2Q07	>5700	100	340	ND	0.15	ND	5.9	33	ND
	2Q07D	>5700	100	350	ND	0.11	ND	6.4	32	ND
	3Q07	>5700	10	260	ND	ND	ND	14	ND	ND
	4Q07	FS	490	380	ND	0.41	0.43	10	ND	ND
	1Q08	>5700	140	360	ND	0.13	0.17	5.4	55	ND
	2Q08	>5700	200	330	ND	0.15	0.23	ND	130	ND
	3Q08	ND	68	380	ND	0.14	ND	ND	12	ND
	4Q08	>5700	ND	243	ND	ND	ND	16	3.5 J	ND
	1Q09	1,500	36.8	344	ND	ND	ND	36.5	57	ND
	2Q09	>5700	98.8	362	ND	ND	ND	9.4	7.6 J	ND
	3Q09	2,100	32.4	412	ND	ND	ND	8.5	100	ND
	4Q09	1,600	160	198	ND	0.42 J	ND	12	30	ND
Dilution factor for Nitrate 5, TDS 2	1Q10	580	95	430	0.35	0.18	0.14	6.9	41	ND
Dilution factor for Nitrate 5, TDS 20, TSS 4	2Q10	1,700	160	ND	ND	0.068	0.20	1.4	36	ND
Dilution factor for Nitrate 5	3Q10	3,800	65	650	ND	0.11	ND	30	1.5	ND
Dilution factor for Nitrate and Sulfate 5	4Q10	920	22	350	ND	0.099	ND	13	8.5	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	6,400	23	420	0.09	0.16	ND	15	36.0	ND
MW-27s	2Q06	NR	5180	630	ND	0.26 J	4.8	43.3	20	ND
	3Q06	>5700	3850	***798***	ND	ND	1.4	108	3.7 J	ND
	4Q06	>5700	166	***753***	0.16	ND	0.82	116	2.3 J	ND
	1Q07	>5700	580	***650***	ND	ND	0.19	91	ND	ND
	2Q07	>5700	48	***640***	ND	ND	3.5	97	ND	ND
	3Q07	270	150	***630***	ND	ND	0.12	84	ND	ND
	4Q07	FS	260	***620***	0.16	0.45	ND	87	22	ND
	1Q08	>5700	850	***530***	0.65	ND	0.74	78	ND	ND

TABLE 3
Dayco Corporation/L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring - MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
	2Q08	>5700	770	490	0.19	ND	0.91	67	ND	ND
Dilution factor for Phosphorus 5	3Q08	560	1,400	***620***	ND	0.14	17	61	11	ND
	4Q08	390	66.4	***571***	0.2	ND	.085 J	68.8	ND	ND
	1Q09	190	1,200	***517***	0.55	ND	0.27	62.5	ND	0.0283
	2Q09	81	253	454	0.96	ND	ND	52.6	ND	ND
	3Q09	8	684	482	0.38	ND	ND	43.9	ND	ND
	4Q09	23	300	***721***	0.5	ND	ND	47.9	ND	ND
Dilution factor for Nitrate 5	1Q10	18	64	***600***	1.3	0.1	0.089	54	ND	ND
Dilution factor for Nitrate 5, TDS 20	2Q10	30	32	400	1.1	ND	ND	49	ND	ND
Dilution factor for Nitrate 5	3Q10	70	28	***1100***	0.29	ND	0.094	42	ND	ND
Dilution factor for Nitrate and Sulfate 5	4Q10	12	7	***680***	1.1	ND	ND	49	ND	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	2,000	14	500	2.7	0.032	ND	38	ND	ND
MW-28s	2Q06	6	35.2	350	ND	0.35 J	0.25	2.6 J	3,100	ND
Dilution factor for Methane 200	3Q06	1,300	22	460	ND	0.26 J	0.37	ND	3,200	ND
Dilution factor for Methane 200	3Q06D	1,500	22	468	ND	ND	0.37	1.7J	3,100	ND
Dilution factor for Methane 100	4Q06	1	25	347	ND	ND	0.43	2.0 J	4,400	ND
	1Q07	460	180	350	ND	ND	0.42	ND	170	ND
	1Q07D	230	93	360	ND	ND	0.43	ND	810	**0.0051**
Dilution factor for Methane 10	2Q07	78	49	400	ND	0.14	0.34	ND	1,600	ND
Dilution factor for Methane 4	3Q07	ND	50	350	ND	ND	0.34	ND	1,100	ND
Dillution for Methane is 40	4Q07	320	42	330	ND	0.19	0.38	ND	1,900	ND
	1Q08	80	31	250	ND	0.14	0.36	ND	570	ND
Dilution for Methane is 10	2Q08	11	44	360	ND	0.19	ND	ND	1,400	ND
Dilution factor for Methane 4	3Q08	ND	52	340	ND	0.17	0.4	ND	1	**0.0056**
Dilution factor for Methane 20	4Q08	82	23.6	321	ND	ND	0.31	2.3 J	1,800	ND
Dilution factor for Methane 200	1Q09	9	38.4	356	ND	0.27 J	0.32	ND	5,000	ND
Dilution factor for Methane 5	2Q09	530	6.0 J	327	ND	ND	0.24	5.8	1,000	ND
Dilution factor for Methane 50	3Q09	2	28.8	***679***	ND	0.36 J	0.26	ND	5,200	ND
Dilution factor for Methane 2	4Q09	54	17.2	408	ND	ND	0.16	4.2 J	460	ND
Dilution factor for Nitrate 5, TDS & TSS 2, Methane 50	1Q10	240	24.0	330	0.34	0.22	0.4	ND	2,100	ND
Dilution factor for Nitrate 5, TDS 2, Methane 50	1Q10D	210	ND	330	ND	0.21	0.4	ND	2,100	ND
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	2Q10	71	18	240	ND	0.10	0.40	1.1	1,600	ND
Dilution for Methane 50, Nitrate 5	3Q10	42	21	***510***	ND	0.20	0.35	5.2	900	ND
Dilution for Methane 50, Nitrate 5	3Q10D	44	19	440	ND	0.19	0.37	5.4	910	ND
Dilution factor for Nitrate and Sulfate 5	4Q10	1,200	19	430	ND	0.34	0.36	ND	1,200	ND
Dilution factor for Nitrate and Sulfate 5, Methane 50	1Q11	360	20	370	ND	0.22	0.38	2.6	1,700	ND
Dilution factor for Nitrate and Sulfate 5, Methane 50	1Q11D	300	15	420	ND	0.22	0.37	ND	1,600	ND
MW-28i										
Dilution factor for Methane 10	2Q06	290	28	367	0.047 J	ND	0.22	2.2 J	1,900	ND
Dilution factor for Methane 100	3Q06	>5,700	42.8	338	ND	ND	0.19	3.5 J	1,500	ND
Dilution factor for Methane 100	4Q06	440	15.6	335	ND	ND	0.22	3.0 J	1,500	ND
	1Q07	110	34	380	0.1	0.2	0.35	ND	410	ND
Dilution factor for Methane 4	2Q07	24	23	330	ND	0.27	0.29	ND	710	ND
	3Q07	37	37	300	ND	0.28	0.27	ND	560	ND
	4Q07	160	34	360	ND	0.47	0.64	5.1	370	ND
	1Q08	ND	25	290	ND	0.37	0.29	ND	170	ND
Dilution factor for Methane 10	2Q08	17	38	***560***	ND	0.31	0.23	ND	870	ND
	3Q08	51	29	310	ND	0.25	280	ND	410	ND
Dilution factor for Methane 5	4Q08	24	20.8	360	ND	0.54 J	0.23	6.7	500	ND
Dilution factor for Methane 10	1Q09	3	31.6	399	ND	.42 J	0.27	ND	1,800	ND
Dilution factor for Methane 10	1Q09D	4	35.2	415	ND	0.54 J	0.26	ND	1,700	ND
	2Q09	89	13.6	351	ND	ND	0.22	7.7	110	ND
Dilution factor for Methane 10	3Q09	ND	20	***542***	ND	1.1	0.21	2.6 J	2,100	ND
	4Q09	4	18	445	ND	0.38 J	0.11	7.8	190	ND
	4Q09D	4	19.6	417	ND	0.47 J	0.13	7.8	180	ND
Dilution factor for Nitrate 5, TDS & TSS 2, Methane 50	1Q10	10	40	470	ND	0.49	0.34	0.96	1,400	ND
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	2Q10	8	16	260	ND	0.21	0.32	2.1	800	ND
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	3Q10	5.5	23	420	ND	0.33	0.29	8.5	210	ND
Dilution factor for Nitrate and Sulfate 5	4Q10	6.0	26	470	ND	0.55	0.32	2.7	620	ND
Dilution factor for Nitrate and Sulfate 5, Methane 20	1Q11	5.0	15	430	ND	0.42	0.29	5.8	500	ND
MW-29s	2Q06	250	58.8	***504***	ND	11.9	0.45	4.0 J	1,200	ND
Dilution factor for Methane 250	3Q06	>5700	54	***546***	ND	9.9	0.32	1.9 J	5,000	ND
Dilution factor for Methane 100	4Q06	190	35.6	***509***	ND	8.3	0.29	3.9 J	5,200	ND
	1Q07	30	41	***510***	0.14	7.5	0.34	ND	450	**0.0084**
Dilution factor for Methane 4	2Q07	150	56	490	ND	8.3	0.29	ND	1,000	ND
Dilution factor for Methane 10	3Q07	1,900	54	***520***	ND	8.1	0.4	ND	2,500	ND
Dillution for Methane 10	4Q07	FS	66	500	ND	9.3	0.44	ND	3,100	**0.014**
Dillution for Lead 5	1Q08	93	60	***510***	ND	7.5	0.34	ND	2,000	ND
Dillution for Lead 5	1Q08D	120	38	***510***	ND	7.6	0.35	ND	1,800	ND
Dilution for Methane 10	2Q08	65	40	490	ND	8.2	0.3	ND	2,100	ND
Dilution factor for Methane 4	3Q08	130	20	460	ND	7.7	0.41	ND	1,700	ND
Dilution factor for Methane 50	4Q08	52	37.2	455	ND	7.2	0.35	ND	4,400	ND
Dilution factor for Methane 50	4Q08D	56	41.6	462	ND	7.2	0.34	ND	4,600	ND
Dilution factor for Methane 200	1Q09	1,600	58.8	425	ND	7.2	0.32	3.0 J	6,100	ND
Dilution factor for Methane 50	2Q09	200	58	464	ND	5.8	0.28	7.3	4,000	ND
Dilution factor for Methane 100	3Q09	21	47.2	***542***	ND	7.5	0.31	3.3 J	4,800	ND
Dilution factor for Methane 20	4Q09	3	39	436	ND	8.9	0.25	ND	5,800	ND

TABLE 3
Dayco Corporation/L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring - MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
Dilution for Methane 50, TSS & TDS 2, Nitrate and Ammonia 5	1Q10	110	62	440	0.36	6.4	0.38	2.1	2,800	ND
Dilution factor for Methane 100, TDS 20, TSS 4, Nitrate 5	2Q10	110	46	440	ND	4.2	0.39	1.5	6,200	ND
Dilution for Methane 100, Ammonia & Nitrate 5	3Q10	15	45	***510***	ND	8.9	0.37	7.0	1,800	ND
Dilution for Methane 100, nitrate and sulfate 5, Ammonia 10	4Q10	23	27	420	ND	10	0.41	2.7	4,300	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	470	15	***540***	0.093	4.3	ND	4.1	1,800	ND
MW-30s	2Q06	2,200	75.6	348	ND	0.86	0.17	5.2	3,800	ND
Dilution factor for Methane 200	3Q06	>5700	132	457	ND	0.89	0.32	ND	2,500	ND
Dilution factor for Methane 100	4Q06	>5700	147	448	ND	1.1	0.24	5.5	6,500	ND
Dilution factor for Methane 10	2Q07	>5700	650	350	ND	0.94	1.6	ND	1,800	ND
Dilution factor for Methane 4	3Q07	>5700	220	440	ND	1	0.34	ND	1,700	ND
Dilution factor for Methane 4	3Q07D	>5700	180	400	ND	1.1	0.33	ND	1,500	ND
Dilution factor for Methane 10	4Q07	>5700	120	***520***	ND	1.3	0.22	ND	1,900	ND
Dilution factor for Methane 4	1Q08	1,100	2,300	410	ND	0.97	1.2	ND	1,300	ND
Dilution factor for Methane 10	2Q08	>5700	36	320	ND	0.93	0.26	ND	1,700	ND
Dilution factor for Methane 4	3Q08	ND	36	390	ND	2.60	0.29	ND	1,800	ND
Dilution factor for Methane 50	4Q08	2,300	18	401	ND	1.30	0.19	ND	4,100	ND
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
Dilution factor for Methane 20	2Q09	210	40	464	ND	1.3	0.14	2.0 J	3,700	ND
Dilution factor for Methane 50	3Q09	720	38.8	461	ND	1.6	0.21	ND	4,200	ND
Dilution factor for Methane 20	4Q09	720	33.2	457	ND	1.3	ND	ND	4,400	ND
	1Q10	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
Dilution for Methane 200, TSS & TDS 2, Nitrate 5	2Q10D	2,700	50	470	ND	0.93	0.26	ND	3,300	ND
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	2Q10	12,000	48	440	ND	0.91	0.26	ND	3,200	ND
Dilution for Methane 100, Nitrate 5	3Q10	3,600	46	480	ND	1.0	0.32	4.9	1,600	ND
Dilution factor for Nitrate and Sulfatae 5	4Q10	120	31	460	ND	1.2	0.24	ND	4,200	ND
Dilution factor for Nitrate and Sulfatae 5	4Q10D	1,200	41	490	ND	1.2	0.27	ND	1,400	ND
Dilution factor for Nitrate and Sulfatae 5	1Q11	1,200	42	530	ND	0.038	0.26	5.5	1,600	ND
MW-30i	2Q06	>5700	18.8	369	ND	1.8	0.15	8.2	1,100	ND
Dilution factor for Methane 100	3Q06	290	41.6	414	ND	0.83	0.23	3.2 J	1,200	ND
Dilution factor for Methane 50	4Q06	40	17.2	456	ND	0.89	0.24	11.1	930	ND
Dilution factor for Methane 50	4Q06D	43	41.2	478	ND	ND	0.23	11.1	930	ND
Dilution factor for Methane 4	2Q07	36	34	300	ND	0.8	0.31	ND	680	ND
	3Q07	ND	41	430	ND	1	0.33	ND	97	ND
	4Q07	470	69	***530***	ND	1.1	0.45	ND	ND	ND
	1Q08	2	33	410	ND	1.2	0.34	ND	370	ND
	2Q08	23	27	***540***	ND	1	ND	ND	510	ND
	2Q08D	16	26	300	ND	1	0.29	ND	560	ND
Dilution factor for Methane 4	3Q08	ND	31	390	ND	1.3	0.38	ND	790	ND
Dilution factor for Methane 5	4Q08	6	21.6	411	ND	1.4	0.27	4.4 J	400	ND
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	670	36.8	474	ND	1.3	0.19	5.9	270	ND
Dilution factor for Methane 2, Ammonia Nitrogen 2	3Q09	5	28.0	431	ND	1.3	0.26	4.3 J	660	ND
Dilution factor for Methane 2	3Q09D	6	24.8	444	ND	0.72	0.25	4.2 J	730	ND
	4Q09	13	24.0	448	ND	ND	0.14	6.1	170	ND
	1Q10	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	2Q10	130	42	460	ND	0.86	0.38	ND	2,100	ND
Dilution for Methane 50, Nitrate 5	3Q10	50	31	440	ND	1.1	0.39	5.6	640	ND
Dilution for Nitrate and Sulfate 5	4Q10	17	39	540	ND	1.1	0.35	5.1	65	ND
Dilution for Nitrate and Sulfate 5, Methane 10	1Q11	50	27	500	ND	ND	0.30	10.0	670	ND
MW-30d	2Q06	2,800	11.6	248	ND	0.30 J	ND	9.7	45	ND
	3Q06	>5700	6.4 J	288	0.043 J	ND	ND	10.6	5	ND
	4Q06	47	5.6 J	375	ND	ND	ND	12.5	22	ND
	2Q07	130	13	240	ND	0.11	ND	10	77	ND
	3Q07	78	9	260	ND	0.16	ND	11	ND	ND
	4Q07	FS	20	300	ND	0.24	0.11	11	ND	ND
	4Q07D	FS	20	270	ND	0.19	0.28	11	ND	ND
	1Q08	790	8	300	ND	0.12	ND	9.4	47	ND
	2Q08	420	12	370	ND	0.27	ND	5.3	140	ND
	3Q08	ND	9.2	280	ND	0.31	0.13	9.2	16	ND
	4Q08	40	9.2 J	309	ND	0.27 J	ND	12.7	ND	ND
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	75	9.2 J	324	0.046 J	ND	ND	14.3	5 J	ND
	3Q09	9	6.4 J	321	ND	ND	ND	14.8	60	ND
	4Q09	7	5.2 J	331	0.1	ND	ND	15	ND	ND
Dilution factor for Nitrate 5, Methane 4	1Q10	38	11	350	ND	0.12	0.05	10	90	ND
Dilution factor for Methane 2, Nitrate 5, TDS 10	2Q10	33	6.0	110	ND	0.079	0.051	8.7	71	ND
Dilution factor for Nitrate 5	3Q10	8,300	15.0	300	ND	0.071	0.13	12	ND	ND
Dilution factor for Nitrate and Sulfate 5	4Q10	56	10.0	500	0.1	0.160	0.05	14	ND	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	250	7.0	330	ND	0.920	ND	14	11	ND
MW-31s										
Dilution factor for Ammonia and Methane 10	2Q08	>5700	460	***810***	0.12	22	0.68	44	3,000	ND
Dilution factor for Ammonia and Methane 10	3Q08	ND	320	***1900***	ND	22	0.71	72	2,100	ND
Dilution factor for Sulfate 10 and Methane 50	4Q08	> 5700	11.5 J	***502***	ND	10.8	0.14	84.2	2,800	ND
Dilution factor for Methane 100	1Q09	620	35.2	***629***	ND	22.6	0.40	47.9	11,000	ND

TABLE 3

Through 1stQuarter 2011

Dayco Corporation/L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring - MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
Dilution factor for Sulfate and Methane 20	2Q09	> 5700	ND	***556***	0.056 J	6.4	ND	136	2,400	ND
Dilution factor for Methane 50	3Q09	6,800	36.80	***576***	ND	19.8	0.12	35.9	12,000	ND
Dilution factor for Sulfate 20, and Methane 20	4Q09	100,000	7.6 J	***619***	ND	9.1	ND	187.0	3,200	ND
Dilution factor for Nitrate 5, Ammonia 10, TSS 2, Methane 500	1Q10	230	54.00	***600***	ND	16.0	0.30	56.0	15,000	ND
Dilution for Methane 500, Ammonia 10, TDS 5, Nitrate 5	2Q10	210,000	5.0	***630***	ND	12.0	0.26	36	13,000	ND
Dilution for Methane 250, Ammonia 10, Nitrate 5	3Q10	>30,000	11.0	***920***	ND	15.0	0.25	41	3,900	ND
Dilution factor for Nitrate 5, Sulfate 24, Methane 200	4Q10	>30000	23.0	430	ND	2.0	0.10	***510***	970	ND
Dilution factor for Nitrate 5, Sulfate 5, Ammonia 10, Methane 200	1Q11	36,000	ND	***620***	ND	9.1	0.21	120	10,000	ND
MW-32s										
Dilution factor for Methane 10	2Q08	>5700	NS	***3400***	ND	2	14	8.6	4,800	ND
Dilution factor for Methane 10	3Q08	410	NS	***650***	ND	1.6	2.6	NS	2,900	ND
Dilution factor for Sulfate 20 and Methane 100	4Q08	> 5700	50	***818***	ND	1.6	0.11	200	5,400	ND
Dilution factor for Methane 200	1Q09	430	385	***637***	ND	0.69	ND	8.9	9,500	ND
Dilution factor for Sulfate 20 and Methane 100	2Q09	240	35.2	***612***	0.16	1.8	ND	122	6,900	ND
Dillution factor for Ammonia Nitrogen 3 and Methane 50	3Q09	290	113	***620***	ND	ND	ND	2.8 J	12,000	ND
Dillution factor for Methane 50	4Q09	5,200	208	***691***	ND	1.2	ND	47.9	7,300	ND
Dilution factor for Nitrate 5, TDS 2, Methane 400	1Q10	4,600	15	***540***	ND	0.53	0.13	4.7	13,000	ND
Dilution for Methane 200, TSS 2, TDS 20, Nitrate 5	2Q10	370	52	***520***	ND	0.085	0.14	11	11,000	ND
Dilution for Methane 200, Nitrate 5	3Q10	11,000	400	***850***	ND	0.40	0.17	12	5,100	ND
Dilution factor for Nitrate 5,Sulfate 100,Methane 200	4Q10	500,000	69	300	ND	0.54	0.29	460	2,100	ND
Dilution factor for Nitrate 5,Sulfate 5,Methane 200	1Q11	950	31	***710***	ND	0.35	0.17	120	8,700	ND
MW-33s										
Dilution factor for Methane 10	2Q08	>5700	220	310	ND	5	0.17	8	2,800	**0.011**
Dilution factor for Methane 10	3Q08	ND	250	380	ND	7	ND	10	2,000	ND
Dilution factor for Methane 100	4Q08	> 5700	51	358	ND	7.4	0.13	8.6	4,800	ND
Dilution factor for Methane 200	1Q09	160	122	395	ND	ND	ND	68.1	9,600	ND
Dilution factor for Methane 50	2Q09	2,800	74	410	ND	6.7	0.31	4.8 J	8,400	ND
Dilution factor for Ammonia Nitrogen 2 and Methane 25	3Q09	1,200	181	***610***	ND	5.8	0.42	12.9	5,100	ND
Dilution factor for Methane 20	4Q09	670	85	***518***	ND	5.8	ND	7.2	3,200	ND
Dilution factor for TDS 2, Nitrate, & Ammonia 5, Methane 200	1Q10	6,700	ND	420	ND	7.2	0.06	6.2	6,900	ND
Dilution for Methane 200, TSS 2, TDS 20, Nitrate 5	2Q10	6,000	74	460	ND	4.0	0.098	9.3	6,100	ND
Dilution for Methane 200, Nitrate 5	3Q10	66,000	22	***650***	ND	4.3	0.130	18	540	ND
Dilution for Nitrate and Sulfate 5, Methane 100	4Q10	34,000	34	***1400***	ND	4.0	0.190	110	270	ND
Dilution for Nitrate and Sulfate 5, Methane 50	1Q11	21,000	23	***750***	ND	1.8	0.080	120	2,200	ND
MW-34s										
Dilution factor for Methane 10	2Q08	>5700	NS	490	ND	ND	ND	12	3,700	ND
Dilution factor for Methane 10	3Q08	ND	NS	NS	NS	ND	0.34	NS	2,800	NS
Dilution factor for Methane 5	4Q08	2,100	ND	**693**	0.53	0.35 J	ND	23.9	490	ND
Dilution for Ammonia Nitrogen 5, Methane 200	1Q09	NM	NS	NS	ND	ND	ND	NS	7,200	ND
Dilution factor for Methane 100	2Q09	NA	26.4	369	0.16	0.38 J	ND	8.7	8,600	ND
Dilution factor for Methane 50	3Q09	150	56.4	NS	ND	ND	ND	4.9 J	9,600	ND
Dilution factor for Methane 20	4Q09	45	293	462	ND	ND	ND	9.8	4,400	ND
Dilution factor for Nitrate 5, TDS 2, Methane 400	1Q10	9,300	27	400	ND	0.13	ND	2.8	9,200	ND
Dilution for Methane 200, TSS 2, TDS 10, Nitrate 5	2Q10	1,700	20	370	ND	ND	ND	2.8	8,700	ND
Dilution for Methane 200	3Q10	>30,000	NS-dry	NS-dry	NS-dry	0.032	0.084	NS-dry	3,100	ND
Dilution factor for Nitrate 5, Sulfate 100	4Q10	8,700	24	180	0.23	0.14	ND	210	ND	ND
Dilution factor for Nitrate and Sulfate 5,Methane 10	1Q11	810	6	380	ND	0.13	ND	65	270	ND
MW-35s										
Dilution factor for Methane is 10	2Q08	>5700	2100	***570***	ND	1.8	ND	13	3,900	ND
Dilution factor for Methane is 10	3Q08	ND	85	***520***	ND	1.3	ND	ND	3,600	ND
Dilution factor for Methane 100	4Q08	> 5700	22.4 J	***568***	ND	2.9	0.16	20.6	12,000	ND
Dilution factor for Methane 200	1Q09	1,800	37.6	499	ND	0.8	.087 J	ND	20,000	ND
Dilution factor for Methane 200	2Q09	680	77.6	459	ND	1.1	0.19	9.4	20,000	ND
Dilution factor for Methane 100	3Q09	50	114.0	466	ND	1.4	0.25	ND	17,000	ND
Dilution factor for Methane 50	4Q09	1,100	26.8	***508***	ND	0.84	ND	17.1	8,400	ND
Dilution factor for Nitrate 5, TDS 2, Methane 1000	1Q10	680	ND	460	ND	0.24	0.08	0.9	17,000	ND
Dilution for Methane 400, TSS 2, TDS 20, Nitrate 5	2Q10	76	38	***540***	ND	0.081	0.079	ND	15,000	ND
Dilution for Methane 250, Nitrate 5	3Q10	170	35	***570***	ND	0.15	0.11	4.6	13,000	ND
Dilution factor for Nitrate and Sulfate 5,Methane 250	4Q10	5800	64	***720***	ND	0.78	0.09	24.0	4,200	ND
Dilution factor for Nitrate and Sulfate 5,Methane 200	1Q11	580	39	430	ND	0.11	0.10	2.7	9,200	ND
Atmospheric Blank	1Q05	> 5700	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	5	ND	10.0 J	ND	ND	ND	0.30 J	ND	NS
	1Q06	2	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	38	ND	ND	ND	ND	ND	1.5 J	ND	ND*
	3Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	1	ND	ND	ND	ND	ND	ND	22	ND*
	2Q07	ND	ND	19	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	**0.0051***
	3Q08	ND	ND	ND	ND	0.16	ND	ND	ND	ND*

TABLE 3
Dayco Corporation/L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring - MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q10	ND	11	ND	0.35	ND	ND	ND	ND	ND*
Dilution factor for Nitrate, Lead, and TDS 5	2Q10	ND	ND	ND	ND	ND	ND	ND	ND	ND*
Dilution factor for Nitrate and Lead 5	3Q10	ND	ND	ND	ND	ND	ND	ND	ND	ND*
Dilution factor for Lead, Nitrate and Sulfate 5	4Q10	2.5	ND	15	ND	ND	ND	ND	ND	ND*
Dilution factor for Lead, Nitrate and Sulfate 5	1Q11	ND	ND	ND	ND	0.042	ND	ND	ND	ND*
Rinsate Blank	1Q05	36	ND	ND	ND	ND	ND	ND	ND	NS
	3Q05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	1Q06	ND	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	120	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q06	250	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	45	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	84	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q06	56	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q07	1	ND	2.5	ND	ND	ND	ND	ND	ND*
	2Q07	2	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	11	0.17	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	0.15	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	1Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	1Q09	26	ND	ND	ND	ND	ND	ND	ND	ND*
RB-01	2Q09	1	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	2Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-01	3Q09	32	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	3Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	4Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02 Dilution for Nitrate 5, TSS 2	1Q10	1	24	ND	ND	ND	ND	0.66	ND	ND*
RB-02 Dilution for Nitrate 5, TDS 2	2Q10	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02 Dilution for Leaed & Nitrate 5	3Q10	1	ND	110	ND	ND	ND	ND	2.7	ND*
RB-02 Dilution factor for Lead, Nitrate, Sulfate 5	4Q10	ND	ND	120	ND	ND	ND	ND	ND	ND*
RB-03 Dilution factor for Lead, Nitrate and Sulfate 5	4Q10	ND	ND	220	ND	0.013	ND	ND	ND	ND*
RB-02 Dilution factor for Lead, Nitrate and Sulfate 5	1Q11	ND	ND	ND	ND	0.045	ND	ND	ND	ND*
RB-03 Dilution factor for Lead, Nitrate and Sulfate 6	1Q11	5.5	11	ND	ND	0.048	ND	ND	ND	ND*

Notes:

As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the implementation of Source Reduction on the L.E. Carpenter property effective 1Q05.

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

(1) Sulfate results reported through 4Q06, and starting again in 4Q08, have a dilution factor of 5, except for blank samples or unless otherwise noted. Sulfate results reported from 1Q07 through 3Q08 have no dilution factor for sulfate unless noted otherwise.

(2) NJ CLASS IIA GWQC, NJ SWQC [FW2] and PQL are for Total Lead

(3) MW-19 area monitoring wells were abandoned in 4Q2009. Therefore, MW-19 area wells have not been sampled for MNA parameters since 1Q10. MNA monitoring will continue following the installation of the USEPA approved post excavation monitoring well network.

Legend:

NCS: No Criteria Specified by NJDEP
NS = Not Sampled
FS= Samples frozen in transit to lab.
ND = Not Detected
NA = Not Analyzed, due to lack of recharge water
1.2 Concentration exceeds NJGWQS
L Lower Grab Sample
U Upper Grab Sample
* Total Lead

Table 4

Through 1st Quarter 2011

Dayco Corporation/L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10.97	7.23	24	890	2	13.94	NM	160	70
	3Q04	0.1	7.62	-10	1179	2	16.18	<10	200	95
	1Q05	0.2	7.67	100	590	5	11.82	9	241[1]	121
	2Q05[L]	1	7.84	NM	734	10	8.6	0.3	30	<10
	2Q05[U]	1	7.69	NM	760	10	8.46	0.4	29	<10
	3Q05	1	7.03	185	1920	9	15.86	>10	110	60
	4Q05	5.34	6.47	87	1005	4	15.01	>10	110	18
	1Q06	3.53	6.59	-50	978	13	8.72	>10	11	>100
	2Q06	4.92	7.66	-43	905	9	13.98	>10	225	60
	3Q06	0.34	7.08	-24	761	5	16.2	18	100	90
	4Q06	0.08	6.53	-76.7	579	7	15.36	>10	275	70
	1Q07	0.15	6.59	-90.3	444	5	10.38	20	250	35
	2Q07	0.05	6.69	-56	1640	2.5	13.7	>20	100	120
	3Q07	0.1	6.59	-94	1201	2	17.05	>20	200	80
	4Q07	0.2	6.36	5	865	5.1	12.54	>20	225	40
	1Q08	0.6	6.4	111.7	214.2	5	8.55	0.1	40	14
	2Q08	0.22	6.12	68.4	1,068	6.66	10.55	>10	125	130
	3Q08	0.16	6.42	-30	1,150	7	13.94	>20	140	50
MW-19R	4Q10	0.09	7.02	-28.2	1144	9.35	13.34	15	180	17
	1Q11	2.56	6.91	0.5	993	9.94	6.99	0.2	120	14
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10.16	7.02	41	1550	4	12.89	NM	130	70
	3Q04	1	7.26	87	1740	19	16.3	2	150	60
	1Q05	1	7.94	226	269	9	10.59	0	126[1]	63
	2Q05[L]	1	7.94	NM	2640	10	8	0	45	16
	2Q05[U]	0.8	7.99	NM	2100	38	6.96	0	45	10.5
	3Q05	0.8	7.44	184	920	2	15.15	>10	100	35
	4Q05	1.84	6.27	217	216	10	15.15	0.1	30	11
	1Q06	3.35	6.35	249	512	3	8.17	0	12	>100
	2Q06	6.79	7.50	36	327	5	14.4	0.3	90	27
	3Q06	2.87	7.45	143	406	10	16.38	0	100	22
	4Q06	6.3	7.55	184	347	6	14.49	0.4	145	32
	1Q07	0.16	6.53	14.2	370	4	10.08	1	175	16
	2Q07	0	7.04	-36	539	6.8	14	>20	190	70
	3Q07	0.1	7.09	36	530	5	16.18	1	160	65
	4Q07	1.6	6.17	45	311	3.6	12.59	0.4	130	30
	1Q08	1.83	6.28	108.1	125.5	12	6.14	0.1	35	15
	2Q08	1.48	5.99	6	371	10	10.06	0.2	100	40
	3Q08	0.07	6.76	-23	896	2	14.55	>20	190	30
	4Q08	3.29	6.38	76	214	7	15.01	0.2	75	26
	1Q09	3.35	7.27	16	227	7.89	8.64	0.2	60	14
	2Q09	4.67	6.19	-86	383	9	8.52	0.6	70	19
	3Q09	1.1	6.83	137	664	3	14.16	1	70	35
MW-19-6R	4Q10	0.1	6.84	-98	976	9.7	14.06	>20	250	17
	1Q11	0.16	6.66	55.1	1018	4.59	8.83	15	180	30
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	5.48	6.86	56	2640	10	15.24	NM	80	33
	3Q04	1	7.43	83	2490	4	16.61	0.4	125	20
	1Q05	1	7.73	241	867	12	11.79	0	204[1]	41
	2Q05[L]	1	7.50	NM	1870	27	10.64	0.1	75	15
	2Q05[U]	1	7.48	NM	1790	2	9.89	1	80	20
	3Q05	1	7.28	191	3030	36	15.2	0.4	70	20
	4Q05	5.39	5.86	307	1550	9	14.76	0	80	10.5
	1Q06	3.71	6.60	237	1116	4	9.93	0	12	>100
	2Q06	6.61	7.53	35	1520	5	13.51	0.2	125	23
	3Q06	4.48	7.44	162	1249	9	16.11	0	100	24
	4Q06	4.7	7.47	207	941	8	15.45	0	70	40
	1Q07	1.16	6.82	69.5	602	8	11.38	0.2	90	16
	2Q07	1	6.69	-35	2720	5.6	14.36	0.1	140	50
	3Q07	0.8	7.16	12	1458	4	17.3	0.6	160	42
	4Q07	2	7.44	51.4	1283	5.9	12.92	0.3	25	17
	1Q08	1	6.52	91.2	854.4	6	10.71	0.4	100	20
	2Q08	3.69	6.71	119.4	1,205	2.4	11.83	0.6	110	35
	3Q08	1.3	6.78	39	2,280	8	15.51	3	140	28
	4Q08	2.23	6.8	62	1,550	9	15.15	0.3	155	19
	1Q09	2.5	7.51	48	1152	8.69	10.10	0.4	120	20
	2Q09	2.69	6.46	-39	258	8.65	9.88	0.6	70	25
	3Q09	2.1	7.12	38	1730	9	14.02	1	60	25
MW-19-6R	4Q10	1.5	6.99	19.8	768	8.83	14.06	1	130	11

Table 4
Dayco Corporation/L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	1Q11	0.22	6.72	-32	2000	7.85	9.63	2	160	20
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	5.89	6.82	48	380	6	14.34	NM	95	90
	3Q04	1	6.92	113	4040	2	16.77	1	75	70
	1Q05	0.6	7.16	281	1388	1	11.34	3	200(1)	63
	2Q05L	0.05	7.82	102	938	25	11.7	15	160	36
	2Q05U	1	7.80	NM	961	49	11.22	15	200	29
	3Q05L	0.8	7.03	90	2670	17	14.76	>10	95	0.8
	3Q05U	1	7.02	185	2460	5	16.02	>10	70	35
	4Q05	1.58	5.98	-44	1434	14	14.85	>10	11	30
	1Q06	1.86	6.20	43	1130	14	10.81	>10	>100	>100
	2Q06	3.87	7.41	-33	1284	9	13.28	>10	170	70
	3Q06	0.6	7.28	33	1254	10	15.8	9	200	50
	4Q06	0.44	7.47	204	970	7	15.23	2	185	70
	1Q07	0.12	6.80	-84.3	518	6	11.52	9	175	23
	2Q07	0	6.98	36	1397	4.5	15.68	2	100	38
	3Q07	0.2	7.05	181	1016	5	17.48	0.2	120	38
	4Q07	0.6	6.48	74.2	2126	5.3	12.7	0.2	70	30
	1Q08	1	6.21	105.4	2023	10	9.48	0.3	45	27
	2Q08	0.24	6.42	0.5	1,892	9.13	11.31	1.5	130	22.5
	3Q08	0.11	6.94	60	980	29	16.78	0.5	150	27
	4Q08	0.23	6.42	50.9	806	9.13	15.77	0.6	130	14
	1Q09	1.33	7.28	53	4350	3.2	9.70	1	120	20
	2Q09	4.24	6.58	-14	5120	28.1	9.00	2	40	18
	3Q09	0.38	7.26	112	2310	8	15.04	0.6	80	21
MW-19-7R	4Q10	0.1	7.07	-28.2	747	9.46	15.01	5	130	11
	1Q11	0.22	6.83	12.5	1521	12	9.1	16	180	25
MW-19-8	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	3.98	6.9	-24	2010	10	15.69	NM	125	30
	3Q04	0.4	7.52	48	1093	7	18.29	2	100	19
	1Q05	0.3	7.06	161	177	16	12.92	10	142(1)	28
	2Q05	0.8	7.92	NM	1510	47	10.82	6	70	19
	3Q05	0	7.07	147	1820	2	18.86	3	80	19
	4Q05	6.74	6.10	330	1460	5	17.19	3	85	20
	1Q11	3.36	6.87	80.1	2162	8.13	8.59	0	130	14
MW-19-9D	1Q04	NS	NS	NS	NS	NS	NS	**	**	**
	2Q04	3.03	7.11	-28	480	63	14.64	**	**	**
	3Q04	0.2	7.40	8	545	35	15.7	**	**	**
	1Q05	1.5	7.14	193	871	267	11.58	**	**	**
	2Q05	0.05	7.91	NM	471	70	12.12	**	**	**
	3Q05	0	7.35	189	552	2	16.4	**	**	**
	4Q05	0.94	5.78	-91	465	1	13.96	**	**	**
MW-19-10	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	3.82	6.78	85	1050	7	13.94	NM	80	25
	3Q04	0.1	7.35	107	1498	11	15.56	1.5	65	20
	1Q05	0.15	7.25	285	1039	28	13.19	2	127(1)	20
	2Q05L	0.8	7.47	NM	1209	52	12.18	0.4	70	13
	2Q05U	1	7.48	NM	1282	41	11.18	1	75	13
	3Q05	1	7.62	212	1148	18	16.47	0.6	70	13
	4Q05	9.89	6.73	229	1167	39	15.00	1	60	10
MW-19-11	1Q05	1.5	7.01	215	740	8	10.3	0	205(1)	65
	2Q05L	0.8	7.88	NM	1424	38	12.18	4	110	17
	2Q05U	0.8	7.80	NM	1442	10	12.12	4	90	15
	3Q05	1	7.72	209	1155	77	16.63	1	80	12.5
	4Q05	2.5	6.51	271	1470	10	15.86	0.4	85	15
MW-19-12	2Q06	0.99	7.29	-33	1046	9	16.06	4	120	100
	3Q06	0.21	7.41	5	1460	18	17.9	4	12	17
	4Q06	0.23	7.60	191	1234	10	16.72	3.5	1000	17
	1Q07	0.18	6.91	-39.6	680	8	12.29	1.5	100	10
	2Q07	2	7.24	137	473	5	18.56	0	110	11
	3Q07	2	7.45	118	463	2	19.2	0	85	0
	4Q07	9	7.55	2.7	439	8.1	9.68	0	110	<10
	1Q08	2	6.72	78.4	197.2	2	7.59	0	40	<10
	2Q08	7.4	7.09	79	386	0.12	13.31	0	110	<10
	3Q08	4.29	7.23	51	369	6	19.58	0	70	12
	4Q08	4.63	6.72	91	500	2	13.64	0.1	110	12
	1Q09	6.47	7.91	72	568	0.5	7.47	0.1	120	<10

Table 4
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Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	2Q09	9.6	7.59	18	621	7.18	9.29	0	70	6
	3Q09	4.98	7.11	123	464	1	17.23	0	70	13
	4Q09	5.7	7.86	164	507	3	13.16	0	100	15
	1Q10	7.27	7.86	352	207	1	6.65	0	100	20
	2Q10	5.20	7.53	42.2	377	9.30	12.22	NM	NM	NM
	3Q10	5.17	6.81	151	423	8.00	18.90	NM	NM	NM
	4Q10	4.46	7.33	-65.2	324	2.89	10.83	0	110	<10
	1Q11	5.30	7.3	47.2	293	5.34	8.30	0	100	10
MW-19-13	4Q10	0.11	6.96	-36.7	704	44.70	14.74	>20	160	18
	1Q11	1.44	6.31	45	734	190.00	9.21	10	40	45
MW-19-14	4Q10	0.14	6.79	-5.5	1054	3.83	12.37	4	200	18
	1Q11	3.41	6.92	33.4	944	8.03	7.37	0.2	190	15
MW-19-15	4Q10	1.10	6.94	57.8	647	47.00	14.45	0.2	160	13
	1Q11	3.73	6.58	92.5	1606	15.20	8.64	0.2	150	11
MW-19-16	4Q10	2.68	7.37	44.6	1163	8.81	11.96	0.2	160	11
	1Q11	0.21	6.75	84.7	914	9.15	6.56	0.3	150	11
MW-19-17	4Q10	0.11	7.16	5.5	506	9.46	14.60	7	120	<10
	1Q11	0.17	6.59	-2.2	1332	9.19	10.47	13	110	27
MW-8	3Q08	0.06	7.04	-162	571	20	15.63	>20	260	30
	4Q08	0.23	6.99	-51	175	70	12.91	14	40	<100
	1Q09	0.1	8.08	-198	607	52.3	9.19	>10	125	30
	2Q09	0.1	7.16	12.3	268	39	8.11	>20	160	60
	3Q09	0.07	7.14	-165.1	633	13	13.34	>20	150	30
	4Q09	0.07	8.53	-177	442	28	13.01	>20	100	25
	1Q10	0.04	7.51	-193	417	48.9	8.53	>20	160	16
	2Q10	0.04	7.06	-126.5	440	24.2	10.58	>20	120	13
	3Q10	0.09	7.22	-196	573	24.5	15.50	>20	200	35
	4Q10	0.79	7.53	-153	370	26.2	11.23	20	50	18
	1Q11	0.18	7.02	-139	864	36.2	8.71	20	100	20
MW-25R	2Q06	0.47	6.77	-102	620	9	14.74	3.5	75	17
	3Q06	0.97	5.57	90.1	572	229	15.67	5	160	350
	4Q06	0.25	7.14	-41.2	517	24	11.33	1.5	90	100
	1Q07	1.8	6.80	-100.4	636	55	7.15	3	100	150
	2Q07	0.35	6.69	-65.8	453	123	14.38	3.5	40	20
	3Q07	1	6.98	-75.3	355	NM-mtr broke	18.93	0.3	75	15
	4Q07	0.6	7.15	30	616	127	6.81	2	100	110
	1Q08	0.34	7.32	-79	639	47.6	7.87	4.5	150	12.5
	2Q08	0.21	7.20	-80	601	46	10.95	4.5	150	15
	3Q08	0.24	6.55	-110.7	446	19.2	15.71	2.5	160	70
	4Q08	1.66	7.25	22.7	227	5.9	9.6	1	70	<10
	1Q09	0.71	7.22	21.8	383	8	5.00	0.5	120	<10
	2Q09	0.58	7.11	-40	376	8	6.48	2	70	7
	3Q09	0.15	6.77	-64	604	19.3	15.93	3	150	20
	4Q09	0.82	8.11	-44	726	121	10.94	2	70	20
	1Q10	3.1	7.08	-46	455	45.4	3.32	2	90	25
	2Q10	1.29	6.98	-56.2	515	117	11.04	2	50	11
	3Q10	1.62	7.00	-48	666	32.5	17.07	NS	NS	NS
	4Q10	0.75	7.15	-6	617	16	7.75	0.8	70	10
	1Q11	1.18	6.85	-36	668	9.6	6.72	1	100	<10

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Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-27s	2Q06*	1.66	7.74	183	933	>1000	16.65	0	80	<10
	3Q06	0.54	7.72	45	1437	247	19.44	0	200	14
	4Q06	2.36	7.59	134	1275	>1000	16.39	0	<10	20
	1Q07	4	7.15	-10.8	1078	>1000	8.31	NM - sediment	NM - sediment	NM - sediment
	2Q07	8.29	7.09	105.6	765	>1000	15.23	NM - sediment	NM - sediment	NM - sediment
	3Q07	0.4	7.24	27	1017	>1000	17.58	NM - sediment	NM - sediment	NM - sediment
	4Q07	1	7.16	165	1002	997	11.34	NM - sediment	NM - sediment	NM - sediment
	1Q08	1	7.15	71.5	612.7	186	8.41	NM - sediment	NM - sediment	NM - sediment
	2Q08	1	7.18	111.1	735	81.1	11.43	0	22.5	85
	3Q08	3.21	6.21	46	861	184	17.09	0.8	225	135
	4Q08	2.63	6.99	34.4	626	47.2	13.67	NM - ran dry	NM - ran dry	NM - ran dry
	1Q09	1.12	7.35	51.3	522	1000	10.67	0.1	200	20
	2Q09	1.55	8.2	-71	486	62	9.08	0.6	150	15
	3Q09	0.61	7.59	15	675	24.8	15.29	1	250	20
	4Q09	5.12	8.31	-5	1180	108	15.93	NM	NM	NM
	1Q10	3.04	7.82	-84.5	705	107	9.37	0.3	200	20
	2Q10	0.89	7.41	-29.6	669	92	10.28	0.4	70	12
	3Q10	0.54	6.81	-43	1147	>1000	15.98	0.5	70	20
	4Q10	2.8	7.44	-40	1091	349	13.53	NM-ran dry	NM-ran dry	NM-ran dry
	1Q11	2.21	6.82	57.5	568	NM	8.52	0.1	150	18
MW-28s	2Q06	0.11	7.69	-478	687	12	14.38	>10	82	37
	3Q06	0.27	5.96	-101.8	831	14	17.69	>20	180	90
	4Q06	0.04	7.22	-146.8	684	20	15.27	>20	200	55
	1Q07	2.1	6.74	-176.2	650	12	9.75	>20	160	22
	2Q07	0.48	7.01	-138.3	568	36	15.36	>20	180	35
	3Q07	0.1	7.1	-132.1	576	9.6	16.99	>20	180	50
	4Q07	0.2	6.86	-120.4	634	7.03	11.97	>20	170	22
	1Q08	0.11	7.3	-169	492	11.3	9.22	15	130	20
	2Q08	0.19	6.57	-52.4	508	9.13	12.25	>10	140	35
	3Q08	0.29	6.91	-65.1	390	9.54	15.33	>20	200	35
	3Q08	1	6.8	-92	494	339	16.5	NM	NM	NM
	4Q08	0.05	6.94	-81.5	395	7.96	13.88	>20	170	<100
	1Q09	0.18	7.59	-15.3	466	9.86	9.63	>20	115	22
	2Q09	0.06	6.75	-76.6	392	9	9.26	>20	150	40
	3Q09	0.06	6.93	-114.2	899	9.66	14.81	>20	160	40
	4Q09	0.4	8.52	-143	830	6	13.25	>20	70	20
	1Q10	0.09	7.00	-132.9	502	9.6	8.71	20	35	16
	2Q10	0.06	6.99	-109.4	324	9.6	11.41	14	100	13
	3Q10	0.07	7.18	-153	658	9	15.50	>20	100	18
	4Q10	1.26	7.21	-149	821	9.1	12.43	20	100	25
	1Q11	0.11	6.94	-136	778	9.8	9.26	>20	70	30
MW-28i	2Q06	0.23	7.88	-126	756	8	15	>10	135	28
	3Q06	0.51	7.59	-98	649	14	16.42	18	90	27
	4Q06	0.04	7.37	-146.7	598	13	14.82	>20	150	25
	1Q07	0.2	6.80	-173.3	686	4.9	10.7	>20	140	23
	2Q07	0.18	7.07	-170	507	17	14.9	>20	145	24
	3Q07	0.1	7.15	-104.7	536	5.7	16.19	>20	170	30
	4Q07	0.26	6.59	-58.2	677	7.44	11.96	>20	160	20
	1Q08	0.01	6.81	-100.2	400.2	6	10.31	12	135	20
	2Q08	0.2	6.65	-4.8	593	7.75	12.99	>10	170	35
	3Q08	0.21	7.34	-136	530	10	14.94	>20	170	23
	4Q08	0.04	7.28	-68	442	8.81	14.23	>20	160	<100
	1Q09	0.13	7.07	-34	548	7.67	11.19	>20	150	25
	2Q09	0.05	6.35	-29.1	407	20	9.97	>20	100	60
	3Q09	0.52	7.88	-96	1007	4	13.70	20	50	50
	4Q09	0.13	8.43	-146	828	26	13.21	20	70	18
	1Q10	0.08	7.07	145.2	664	7.87	10.00	16	30	15
	2Q10	0.06	7.02	-112.1	372	9.8	12.06	12	70	14
	3Q10	0.08	7.25	-149	681	9.5	14.38	16	100	20
	4Q10	1.53	7.23	-151	849	7.38	12.79	>20	130	25
	1Q11	0.18	6.96	-134	793	9.17	10.53	>20	140	16

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Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-29s	2Q06	3.63	7.32	-32	1021	68	18.45	>10	260	95
	3Q06	0.36	6.73	-109.8	1090	10	20.63	18	310	80
	4Q06	0.05	6.85	-97.9	775	11	17.04	>10	350	65
	1Q07	0.7	6.53	-163.9	902	5.6	8.77	18	240	30
	2Q07	4.03	6.71	-113.8	766	31	18.48	>10	225	25
	3Q07	0.7	6.66	-13.9	881	9.84	21.12	>20	325	100
	4Q07	0.2	7.12	-35	960	8	13.51	>20	285	75
	1Q08	0.21	7.02	-94	1027	9.92	7.87	>10	290	22
	2Q08	0.27	6.89	31.2	935	5.9	12.22	>20	250	70
	3Q08	0.08	6.61	-79.7	456	8.09	20.04	>10	300	130
	4Q08	0.09	6.91	-127	798	6	17.6	>20	250	36
	1Q09	1.14	6.72	62.8	564	6.78	9.00	20	200	50
	2Q09	0.05	7.09	-89.7	578	8	9.13	>20	350	70
	3Q09	0.07	6.47	-115.1	922	9.51	17.91	>20	250	80
	4Q09	0.21	7.85	-99	837	4	16.00	>20	220	90
	1Q10	0.1	7.08	-74	596	7.3	7.50	NM	70	35
	2Q10	0.11	6.70	-98.5	728	8.33	10.64	>20	100	50
	3Q10	0.12	6.69	-156	1008	9.8	18.57	>20	100	35
	4Q10	0.12	7.15	-129	935	3.1	12.40	10	100	25
	1Q11	0.36	6.65	-94	912	8.8	5.45	10	50	25
MW-30s	2Q06	0.14	6.76	-180	672	34	16.81	>10	78	14
	3Q06	0.39	5.66	73.1	704	155	18.9	18	60	250
	4Q06	0.01	7.09	-146.1	627	94	13.46	>20	200	60
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.34	6.99	-159.4	458	213	18.55	>20	225	40
	3Q07	0.3	7.05	-128.7	696	100	19.15	>20	230	37
	4Q07	0.8	7.45	-50	871	67	7.74	>20	200	43
	1Q08	0.12	7.32	-158	825	113	4.85	>20	NM - sediment	NM - sediment
	2Q08	0.2	7.49	-47.6	484	9.42	11.43	18	160	22.5
	3Q08	0.03	6.93	-128.1	378	11.2	19.06	>10	200	70
	4Q08	0.05	6.66	-2.3	468	9.65	12.93	>20	50	20
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	0.17	6.94	-238	956	9.47	7.67	+20	80	40
	3Q09	0.06	6.93	-118.2	724	9.5	18.26	>20	225	50
	4Q09	0.14	8.57	-151	906	9	12.18	>20	70	25
	1Q10	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q10	1.45	6.92	-91.1	633	18	10.23	>20	100	30
	3Q10	0.1	7.00	-149	866	24.9	17.85	>20	100	25
	4Q10	0.85	7.19	-140	854	8.35	8.89	12	70	20
	1Q11	0.08	7.17	-81.3	599	9.71	7.8	13	180	30
MW-30i	2Q06	0.33	7.70	-194	687	8	15.22	5.5	75	19
	3Q06	0.43	7.52	-63	777	9	17.13	18	180	32
	4Q06	0.2	7.16	-144.2	827	42	14.2	>10	>1000	45
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.33	6.99	-146.8	486	41	15.23	>20	145	25
	3Q07	0.4	7.08	-19.8	661	NM-mtr broke	17.07	>20	200	29
	4Q07	1	7.39	-15	889	136	8.28	>20	200	24
	1Q08	0.13	6.7	-149	784	9.98	8.55	>20	150	18
	2Q08	0.08	7.29	-142	581	21	12.28	16	140	26
	3Q08	0.04	73.11	-136.0	552	8.56	16.62	>10	180	50
	4Q08	0.3	7.43	-133	715	6	13.57	>20	165	27
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	0.32	6.73	-222	930	5.7	8.75	20	50	32
	3Q09	0.05	7.06	-143.2	682	9.62	15.86	18	180	50
	4Q09	0.1	8.46	-148	878	20	12.95	14	100	18
	1Q10	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q10	0.07	7.06	-120.9	605	7.31	9.61	14	70	22
	3Q10	0.33	7.1	-160	806	21	15.55	16	70	20
	4Q10	1.08	7.49	-140	893	9.8	10.82	14	70	16
	1Q11	0.1	7.19	-12	620	7.88	9.18	15	140	25

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Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-30d	2Q06	0.3	5.35	-131	449	10	14.45	2	100	30
	3Q06	2.49	7	-44	458	15	15.07	2.5	70	70
	4Q06	0.18	7.29	-99	637	33	13.39	5	130	17
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.38	7.03	-95.7	340	69	14.51	3.5	115	12
	3Q07	0.8	7.24	22.6	401	NM-mtr broke	14.73	3	130	13
	4Q07	0.1	7.05	128	500	80	10.02	0.4	100	<10
	1Q08	0.45	6.8	1	487	16.3	9.19	1.5	130	<10
	2Q08	0.32	7.24	-62	504	18	12.87	2	125	14
	3Q08	0.2	7.3	-112.3	328	9.41	15.26	2.5	115	14
	4Q08	0.19	7.48	-114	532	12	12.59	6	125	13
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	0.18	7.03	-197	608	14	10.87	3	80	13
	3Q09	0.22	7.19	-110	450	14.5	13.79	2	130	13
	4Q09	0.18	8.68	-119	635	9	12.61	2	50	11
	1Q10	0.2	7.25	-87	508	9.2	10.25	2	150	11
	2Q10	0.24	7.17	-56.3	377	23.2	10.87	2	40	10
	3Q10	7.8	7.41	-65	492	51	13.2	1	40	20
	4Q10	6.18	7.69	-89	758	7.27	12.2	3	50	12
	1Q11	0.25	5.48	108	584	8.71	11.9	2	100	50
MW-31s	2Q08	0.51	12.47	-192	1,499	>1000	15.74	1	225	0
	3Q08	0.97	6.54	-27	2,130	381	21.79	4.5	1000	400
	4Q08	0.16	8.13	34.7	488	7.64	12.99	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.43	10.98	71	567	15	5.45	0.1	200	0
	2Q09	0.16	8.68	-127.6	540	28	6.61	0.4	225	18
	3Q09	0.24	10.67	-144.1	795	6.22	18.68	0.5	170	NM-No Water
	4Q09	0.54	9.03	-72	1019	37	13.41	>20	100	NM-No Water
	1Q10	2.26	11.57	-148	670	79.4	4.42	0	140	0
	2Q10	1.65	11.26	-116.6	905	3.98	10.38	0	200	0
	3Q10	0.38	8.86	-272	900	>1000	18.80	NM-No Water	NM-No Water	NM-No Water
	4Q10	0.65	7.46	13.7	959	3.91	9.10	6	125	16
	1Q11	0.37	9.48	32	497	2.77	5.37	7	90	0
MW-32s	2Q08	0.33	6.9	-86	1,105	109	12.11	NM-No Water	NM-No Water	NM-No Water
	3Q08	0.07	6.47	-149.6	1,169	15.9	22.56	NM-No Water	NM-No Water	NM-No Water
	4Q08	0.41	6.68	-20.4	799	14	14.72	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.32	6.94	42.1	665	8	5.60	NM-No Water	NM-No Water	NM-No Water
	2Q09	0.29	6.61	-132.8	659	12	6.62	>20	250	80
	3Q09	0.19	6.63	-111.4	952	5.17	18.70	>20	500	100
	4Q09	0.3	7.77	-53	1276	169	13.04	NM-No Water	NM-No Water	NM-No Water
	1Q10	0.45	6.68	-82	687	10.3	3.89	>20	200	30
	2Q10	0.27	6.64	-106.0	825	5.38	10.50	>20	200	30
	3Q10	0.56	6.37	-134.0	974	221	19.23	NM-No Water	NM-No Water	NM-No Water
	4Q10	0.32	6.99	-85.7	837	17.7	8.63	>20	225	35
	1Q11	0.45	6.92	8.6	734	8.4	5.30	>20	250	35
MW-33s	2Q08	0.77	7.29	-74	650	682	12.98	18	180	70
	3Q08	2.55	6.06	NM	616	148	26.4	>20	310	200
	4Q08	0.21	6.44	5.7	607	14	13.1	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.37	5.2	168.5	567	38	5.29	>20	225	60
	2Q09	0.61	6.79	-39.4	577	38.6	5.86	>20	350	80
	3Q09	0.18	6.56	-82.7	1226	16.9	17.63	>20	500	150
	4Q09	2.96	7.79	-46	1381	314	14.13	>20	400	35
	1Q10	0.93	6.79	-96.7	776	52.3	4.20	>20	300	25
	2Q10	3.19	6.69	-82.1	1055	32.9	9.50	>20	300	50
	3Q10	0.16	6.36	-80	910	30.9	18.66	NM-No Water	NM-No Water	NM-No Water
	4Q10	0.95	7.01	86.5	735	33.6	9.29	10	250	30
	1Q11	1.01	7.04	13.8	609	28.1	5.28	9	225	35
MW-34s	2Q08	0.51	7.01	-111	794	7	14.84	NM-No Water	NM-No Water	NM-No Water
	3Q08	0.15	6.4	-136.3	1240	12.1	20.19	NM-No Water	NM-No Water	NM-No Water
	4Q08	0.48	6.62	50.7	686	13.5	14.83	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.27	7.33	23.9	557	9	5.90	NM-No Water	NM-No Water	NM-No Water
	2Q09	0.44	7.32	-82.5	488	10	6.57	8	300	30
	3Q09	0.36	6.51	-89	761	6.08	17.40	NM-No Water	NM-No Water	NM-No Water
	4Q09	2.72	7.66	-30	966	31	13.15	NM-No Water	NM-No Water	NM-No Water
	1Q10	0.53	6.74	-58	500	13.1	4.31	20	70	20
	2Q10	0.39	6.58	-74.5	576	26.7	9.57	>20	250	35
	3Q10	1.00	6.16	-70	701	32.7	18.57	NM-No Water	NM-No Water	NM-No Water
	4Q10	0.42	6.87	-6.4	672	5.38	8.97	0.2	120	16
	1Q11	0.86	6.64	13.2	522	4.87	5.43	0.1	160	16

Table 4
Dayco Corporation/L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-35s	2Q08	0.37	6.78	-56	917	>1000	11.51	>20	310	70
	3Q08	1.5	6.35	-55	736	65	19.23	>20	260	50
	4Q08	1.35	6.87	-30.2	848	38.5	14.18	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.15	7.28	3.3	607	59	5.81	>20	225	30
	2Q09	0.21	7.36	-121.9	683	53	6.40	>20	300	30
	3Q09	0.2	6.65	-108.2	896	22.2	17.49	>20	275	80
	4Q09	3.69	8.14	-56	1109	29	13.15	>20	350	30
	1Q10	0.4	6.72	-72	556	141	4.09	>20	200	25
	2Q10	0.24	6.48	-59.5	710	46.5	10.45	>20	250	30
	3Q10	0.22	6.51	-93	1006	840	18.58	NM-No Water	NM-No Water	NM-No Water
	4Q10	0.37	6.85	-59.8	557	27.1	8.72	>20	200	22
	1Q11	0.73	6.71	15.3	542	11.4	5.71	>20	160	25

Notes:

As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the implementation of Source Reduction on the L.E. Carpenter property effective 1Q05.

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

** Additional field MNA parameters not required for MW-19-9D.

(1) Laboratory analyzed for alkalinity due to destroyed field kits.

NS = Not Sampled

NM = Not Measured

L Lower Grab Sample

U Upper Grab Sample

* Well was not stabalized due to well going dry.

Table 5
DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS			ANALYTICAL PARAMETERS									
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4]			0.5		0.5		0.5		1.5		0.95	
SW-D-1												
*	8-Apr-05	2Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	26-Jul-05	3Q05	<	0.2	<	0.2	J	0.5	<	0.6	<	1.0
	26-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	J	0.2	<	0.6	J	11.0
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		**7.3**
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		**4.9**	<	1.2
Dilution factor for DEHP 1.03	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.33	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.3
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9		**12**
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5		**51**
	19-Apr-10	2Q10	<	0.5	<	0.50	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5		**15**
	9-Sep-10	3Q10[5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	7-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5		**1**
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.99
SW-D-2												
	8-Apr-05	2Q05		NS		NS		NS		NS		NS
	26-Jul-05	3Q05	<	0.2	J	0.5	<	0.2		**6.1**		**38**
	26-Oct-05	4Q05	<	0.2	J	0.6	<	0.2	J	2.0	<	1.0
	27-Feb-06	1Q06	<	0.2	J	0.8	<	0.2	J	2.7		**27**
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	19-Jun-06	2Q06D	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0		**11**
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		**3**
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0		**1.5**
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		**4.4**	<	1.1
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0		**7.1**
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6		**13**
Dilution factor for DEHP 5	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9		**230**
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	6-Apr-09	2Q09D	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0

Table 5
DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4]			0.5		0.5		0.5		1.5		0.95	
	21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	4.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	10-Nov-09	4Q09D	<	0.9	<	0.8	<	0.8	<	0.9	J	5.0
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5		**18**
	19-Apr-10	2Q10	<	0.5		**0.75**	<	0.5		**1.6**	<	0.95
	19-Apr-10	2Q10D	<	0.5		**0.78**	<	0.5		**1.7**	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5		**23**
	9-Sep-10	3Q10[5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	7-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5		**4**
	12-Jul-10	4Q10D	<	0.5	<	0.5	<	0.5	<	1.5		**5**
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5		**1.8**
SW-D-3												
	8-Apr-05	2Q05	<	0.2		**21**	<	0.2		**79**	J	2.0
	26-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	J	1.1	J	7.0
	26-Oct-05	4Q05	<	0.2	J	0.4	<	0.2	J	1.4	<	1.0
	27-Feb-06	1Q06	<	0.2		**1.1**	<	0.2		**3.9**	J	6.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	3.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	11-Sep-06	3Q06D	<	0.2	<	0.2	<	0.2	<	0.6	J	3.0
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0		**3.3**
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		**1.6**
Dilution factor for DEHP 1.1	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.05	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		**3.8**	<	1.0
	18-Feb-08	1Q08D	<	1.0	<	1.0	<	5.0		**3.8**	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9		**14**
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5		**3**
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5		**2.3**
	9-Sep-10	3Q10[5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	7-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5		**1.3**
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
SW-D-4												
	20-Jun-06	2Q06	<	0.2	<	0.2	J	0.4	<	0.6	J	3.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0
	9-Nov-06	4Q06	<	0.2	J	0.4	<	0.2	J	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0		**2**	<	5.0		**3.8**		**3.3**

Table 5 THROUGH 1st QUARTER 2011

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

Borough of Wharton, Morris County, New Jersey

Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
UNITS			ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4]			0.5		0.5		0.5		1.5		0.95	
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		**1**
	4-Dec-07	4Q07	<	1.0		**1.4**	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.08	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		**4.1**	<	1.1
Dilution factor for DEHP 1.08	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0		**9.2**
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9		**21**	<	0.8		**20**		**29**
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	20-Jul-09	3Q09D	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
Dilution factor for DEHP 2	13-Feb-10	1Q10	<	0.5		**0.96**	<	0.5	<	1.5		**150**
	13-Feb-10	1Q10D	<	0.5		**0.91**	<	0.5	<	1.5		**43**
	19-Apr-10	2Q10	<	0.5		**15**	<	0.5		**48**	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5		**24**
	23-Aug-10	3Q10D	<	0.5	<	0.5	<	0.5	<	1.5		**17**
	9-Sep-10	3Q10[5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	9-Sep-10	3Q10D[5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5		**2**
	14-Mar-11	1Q11	<	0.5		**2**	<	0.5		**4.4**	<	0.98
	14-Mar-11	1Q11D	<	0.5		**2.1**	<	0.5		**4.6**	<	0.95
SW-D-5												
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	10
	6-Nov-06	4Q06	<	0.2	J	0.2	<	0.2	J	0.8	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		**3.4**
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.1	3-Dec-07	4Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.03	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	J	4.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5		**0.59**	<	0.5	<	1.5	<	0.94
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5		**4.6**
	9-Sep-10	3Q10[5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	1.0
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
DRC-2												
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0

Table 5
DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4]			0.5		0.5		0.5		1.5		0.95	
	6-Nov-06	4Q06	<	0.2	J	0.5	<	0.2	J	1.9	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.98
	9-Sep-10	3Q10 [5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
SW-R-1												
	20-Apr-05 [1]	2Q05	<	0.2		**17**	J	0.8		**99**	J	2.0
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	27-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Feb-06	1Q06	<	0.2	J	**0.3**	<	0.2	J	1.4	<	0.9
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	J	0.2	<	0.2	J	1.1	<	1.0
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		**1.3**
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0		**1.2**	<	5.0		**5.9**	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5		**0.55**	<	0.5		**2.8**	<	0.95
	19-Apr-10	2Q10	<	0.5		**0.64**	<	0.5		**2.5**	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.50	<	0.5	<	1.5	<	0.95
	9-Sep-10	3Q10 [5]	<	0.5	<	0.50	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.50	<	0.5	<	1.5	<	0.95
	14-Mar-11	1Q11	<	0.5	<	0.50	<	0.5	<	1.5	<	0.95

Table 5
DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4]			0.5		0.5		0.5		1.5		0.95	
SW-R-2												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	J	0.5	<	0.2	J	2.3	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06D	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		**1.7**
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.14	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	19-Apr-10	2Q10	<	0.5		**0.5**	<	0.5		**2**	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	9-Sep-10	3Q10[5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.96
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
SW-R-3												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0		**3**
	25-Jun-07	2Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		**3.9**
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.05	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
Dilution factor for DEHP 10	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0		**150**
	21-Jul-08	3Q08R		NA		NA		NA		NA		**26**
	15-Aug-08	3Q08[2]	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0

Table 5
DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4]			0.5		0.5		0.5		1.5		0.95	
	15-Aug-08	3Q08 [3]	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Oct-08	4Q08D	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	12-Jan-09	1Q09D	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	9-Sep-10	3Q10 [5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
SW-R-4												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		**19**
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	9-Sep-10	3Q10 [5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
SW-R-5												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0

Table 5 THROUGH 1st QUARTER 2011

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

Borough of Wharton, Morris County, New Jersey

Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4]			0.5		0.5		0.5		1.5		0.95	
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
SW-R-6												
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.14	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.11	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.99
	9-Sep-10	3Q10[5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
	7-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
RINSE BLANK												
RB-01	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
RB-01	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
RB-01	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	1.0

Table 5

THROUGH 1st QUARTER 2011

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

Borough of Wharton, Morris County, New Jersey

Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4]			0.5		0.5		0.5		1.5		0.95	
RB-01	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	1.0
RB-01	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	1.0
	9-Sep-10	3Q10[5]	<	0.5	<	0.5	<	0.5	<	1.5		NS
RB-01	9-Dec-10	4Q10	<	0.5	<	0.5		0.5	<	1.5		**16**
RB-01	17-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95

LEGEND

NA = Not Applicable

NS = Not Sampled

D = Duplicate sample

R = Sample was re-run by the laboratory

B: Analyte also detected in blank

J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

Concentration exceeds NJSWQS (SW-R-6 concentrations) **38**

ug/L = micrograms per liter

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.

(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)

NOTES

* = Detection limit is elevated due to interference from other parameter detections. Laboratory will be contacted to lower benzene detection limit to be below the NJSWQS.

(1) One surface water sample was collected near the edge of the river immediately adjacent to the location of absorbent booms that were placed in order to prevent any migration into the river of sheen observed on top of quiescent water ponded within the wetland area. Due to bottle mislabeling and laboratory error, each of the five river sample bottles (R-1 through R-5) were analyzed individually instead of as a whole set. The highest concentration detected in any of the five laboratory results for the river sample are listed under SW-R-1 for April 2005.

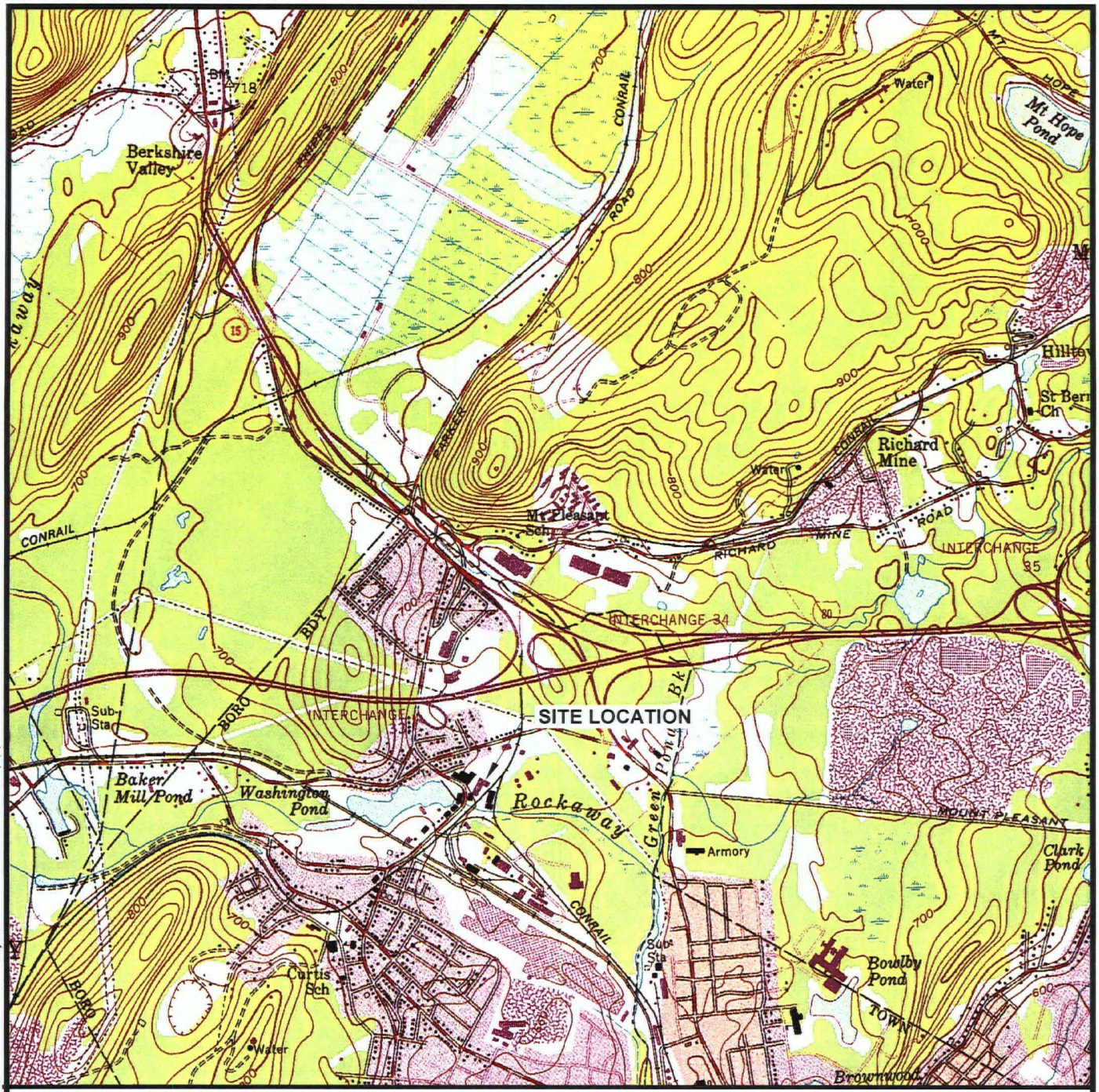
(2) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample alaquot was split between two labs. These results are from Environmental Science Corporation (ESC).

(3) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample alaquot was split between two labs. These results are from Lancaster Laboratories (Lancaster).

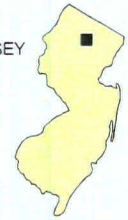
(4) Per NJDEP request, along with a change in laboratories, the detection limits for the Site COCs were lowered.

(5) Due to laboratory error, original BTEX samples were analyzed outside the holding time. Surface water locations were resampled and analyzed within the appropriate holding times.

Figures



NEW JERSEY



N

0 2000' 4000'

APPROXIMATE SCALE IN FEET

SOURCE

BASE MAP DEVELOPED FROM THE DOVER, NEW JERSEY 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP, DATED 1954, PHOTOREVISED 1981.

RMT

3754 Ranchero Drive
Ann Arbor, MI 48108-2237
Phone: 734-971-7080 • Fax: 734-971-9022

DAYCO CORPORATION / L.E. CARPENTER SUPERFUND SITE
WHARTON, NEW JERSEY

SITE LOCATION MAP
1st QUARTER 2011

DRAWN BY:	SJL
CHECKED BY:	JJD
APPROVED BY:	JJD
DRAWING SCALE:	SHOWN
PROJECT NUMBER:	J:\01545\46
FILE NUMBER:	01545.46.01.dwg
DATE:	April 2011

FIGURE 1

PLOT DATA
Drawing Name: J:\01545\46\01545.46.01.dwg
Operator Name: LUCIDO, SAM
Drawing Plot Scale: 0.000500
Dwg Size: 0.12 Mb
Plot Date: April 20, 2011
Plot Time: 4:11 PM
Attached Xrefs:
Attached Images:
Layout: Dover New Jersey; RMT Logostrip (CLR); Site Location Map (1)

LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- POST-REMEDIATION GROUND SURFACE ELEVATIONS
- ABANDONED MONITORING WELL LOCATION AND NUMBER
- MW-25(R) — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-29s — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- LIMIT OF 2010 SOIL EXCAVATION TO DEPTH OF WATER TABLE (~ 10 FEET)
- C-1 — OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH
- SW-R-1 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- SG-R1 — RIVER POINT SURFACE WATER ELEVATION
- SG-D1 — DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2I — PIEZOMETER LOCATION

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. MW-19 HOT SPOT ONE WELL ABANDONMENTS OCCURRED ON OCTOBER 13 - 15, 2009.

N

0 60' 120' 180' 240'
SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D.
5.				
4.				
3.				
2.				
1.				

DAYCO CORPORATION / L.E. CARPENTER SUPERFUND SITE WHARTON, NEW JERSEY

SITE PLAN WITH WELL LOCATIONS [1Q11]

DRAWN BY SJL	DRAWING SCALE	PROJECT NO. J:\01545\46	
CHECKED BY SP	AS INDICATED	FILE NO. 01545.46.02.dwg	
APPROVED BY JJD	DATE PRINTED	**FIGURE 2**	
DATE April 2011			

RMT

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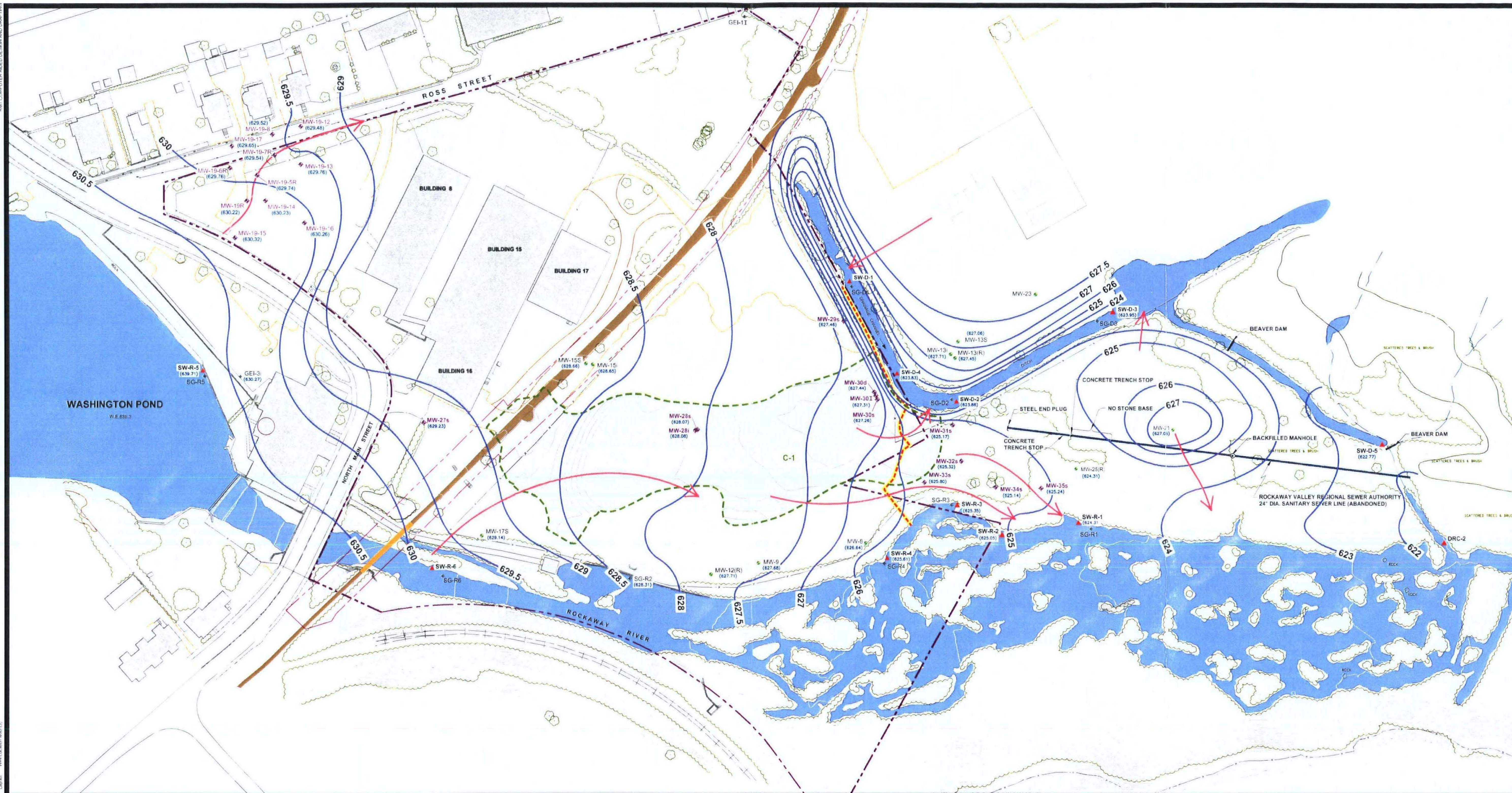
Fax 734-971-9022

RMT COMPUTER AIDED DESIGN AND DRAFTING

Drawing Name J:\01545\46\01545.46.02.dwg Dwg Size 0.42 Mb
Operator Name LUCIDO, SAM Plot Date March 2008
Drawing Plot Scale 1:40 Plot Time 4:11 PM
Layout Site Plan (2)



LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- POST-REMEDIATION GROUND SURFACE ELEVATIONS
- MW-25(R) — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-29s — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- SW-R-1 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- C-1 — OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH
- (627.04) — GROUND WATER ELEVATION
- 626 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- WESTERN BOUNDARY OF REGULATED WETLAND
- SG-R1 — RIVER POINT SURFACE WATER ELEVATION
- SG-D1 — DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2I — PIEZOMETER LOCATION

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY JAMES M.STEWART, INC. LAND SURVEYORS. DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.

0 60' 120' 180' 240'
SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D.
5.				
4.				
3.				
2.				
1.				

DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

SITE-WIDE SHALLOW AQUIFER GROUNDWATER CONTOUR MAP [1Q11]

DRAWN BY: SJL	DRAWING SCALE: AS INDICATED	C:\USERS\METZA\DESKTOP\01545.46	FILE NO. 01545.46.03.dwg
CHECKED BY: SP	DATE PRINTED:		
APPROVED BY: JJD			**FIGURE 3**
DATE: April 2011			

RMT

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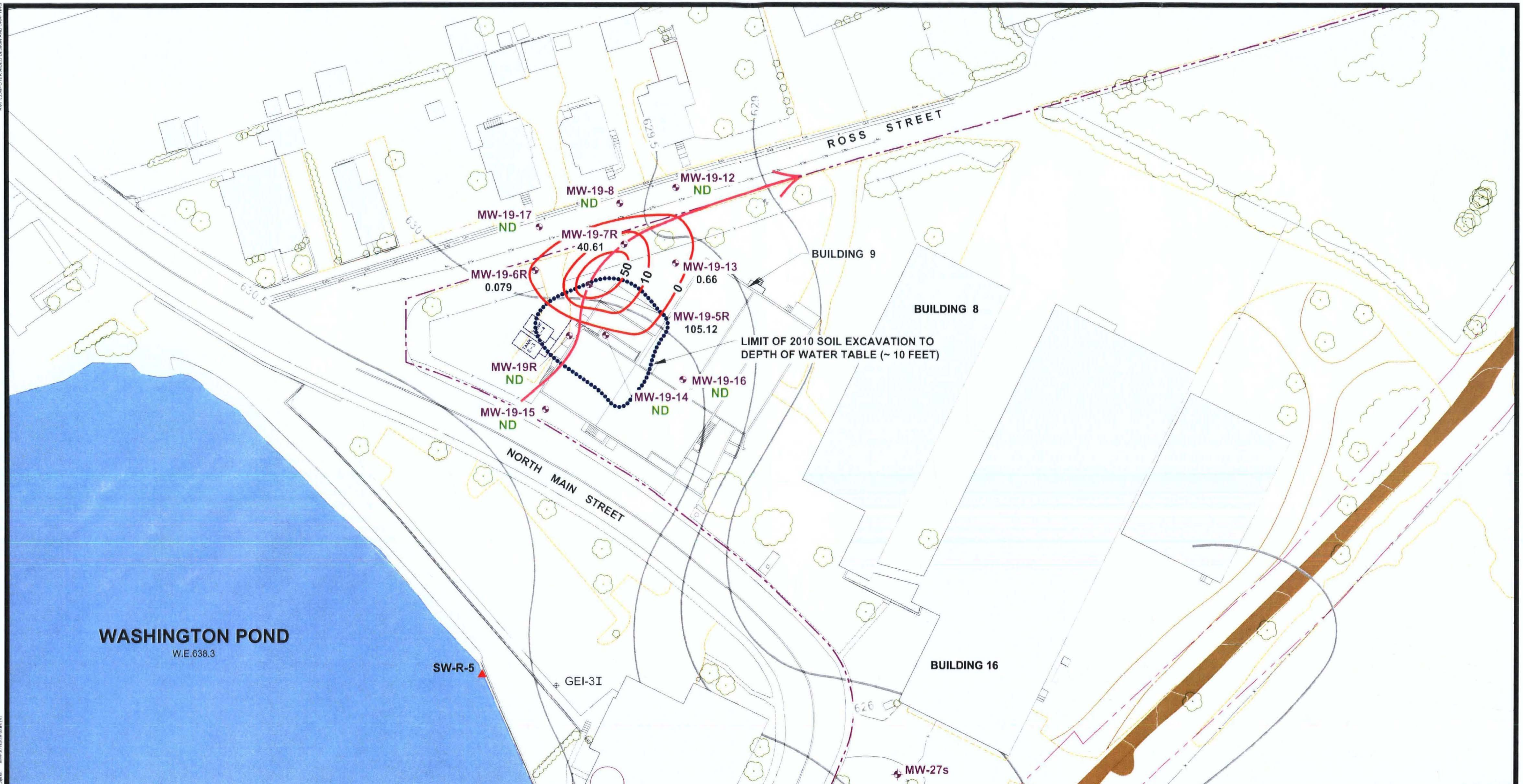
Phone: 734-971-7080
Fax: 734-971-9022

RMT COMPUTER AIDED DESIGN AND DRAFTING
Drawing Name: C:\Users\metza\Desktop\01545.46.03.dwg
Operator Name: METZ, ALEX
Drawing Plot Scale: 1:40
Plot Date: April 2008
Plot Time: 6:32 PM
Layout: Well Location Map (3)



RMT COMPUTER AIDED DESIGN AND DRAFTING

Drawing Name: C:\Users\metza\Desktop\01545.46\04.dwg
Operator Name: METZ, ALEX
Drawing Plot Scale: 1:40
Plot Date: April 2008
Plot Time: 6:38 PM
Layout: MW-30 Isocontours (4)

LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-19-21 — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-19R — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- GEI-3I — PIEZOMETER LOCATION
- SW-R-5 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- FORMER UNDERGROUND STORAGE TANK AND PIPING (WESTON 1990-1991)
- LIMIT OF 2010 SOIL EXCAVATION TO DEPTH OF WATER TABLE (~ 10 FEET)
- POST-REMEDIATION GROUND SURFACE ELEVATIONS
- 10 — ISOCONCENTRATION FOR TOTAL MAXIMUM (BTEX) ppm IN GROUNDWATER
- 626 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 0.005 — TOTAL (BTEX) ppm IN GROUNDWATER
- ND — NOT DETECTED
- NS — NOT SAMPLED
- SAN — SANITARY SEWER
- STM — REGIONAL STORM SEWER LINE
- W — WATER

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.

0 30' 60' 90' 120'
SCALE IN FEET

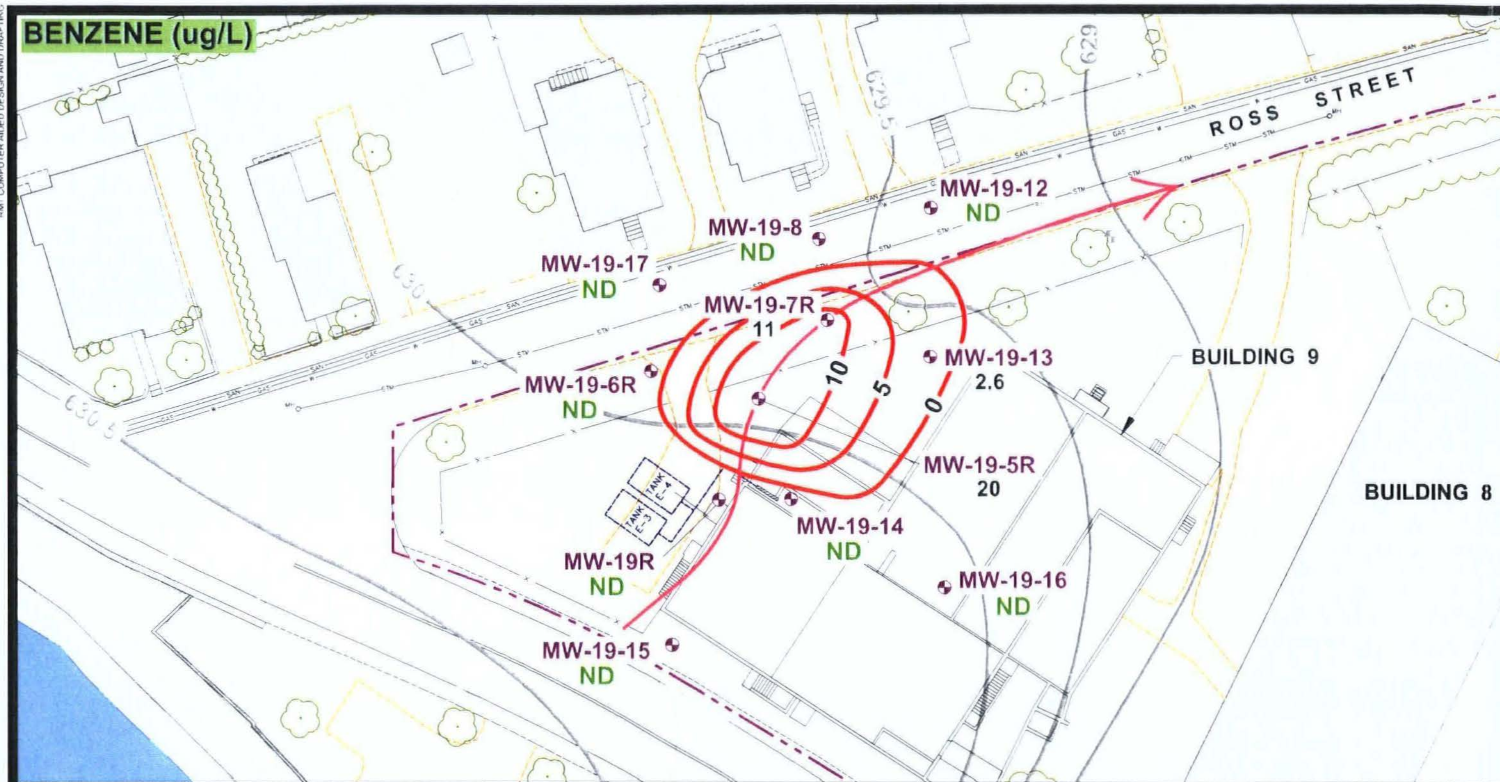
NO.	BY	DATE	REVISION	APP'D.
5.				
4.				
3.				
2.				
1.				

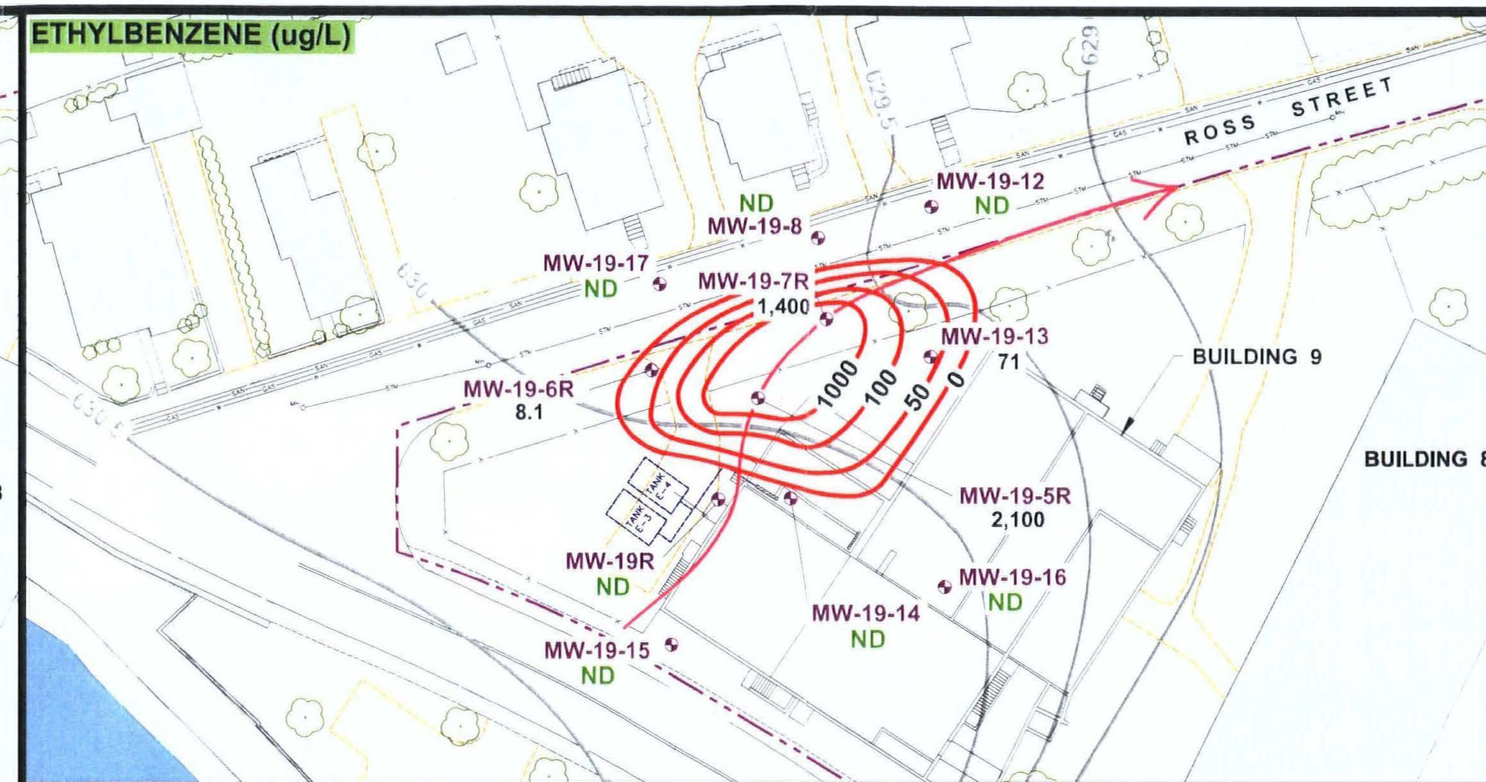
DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

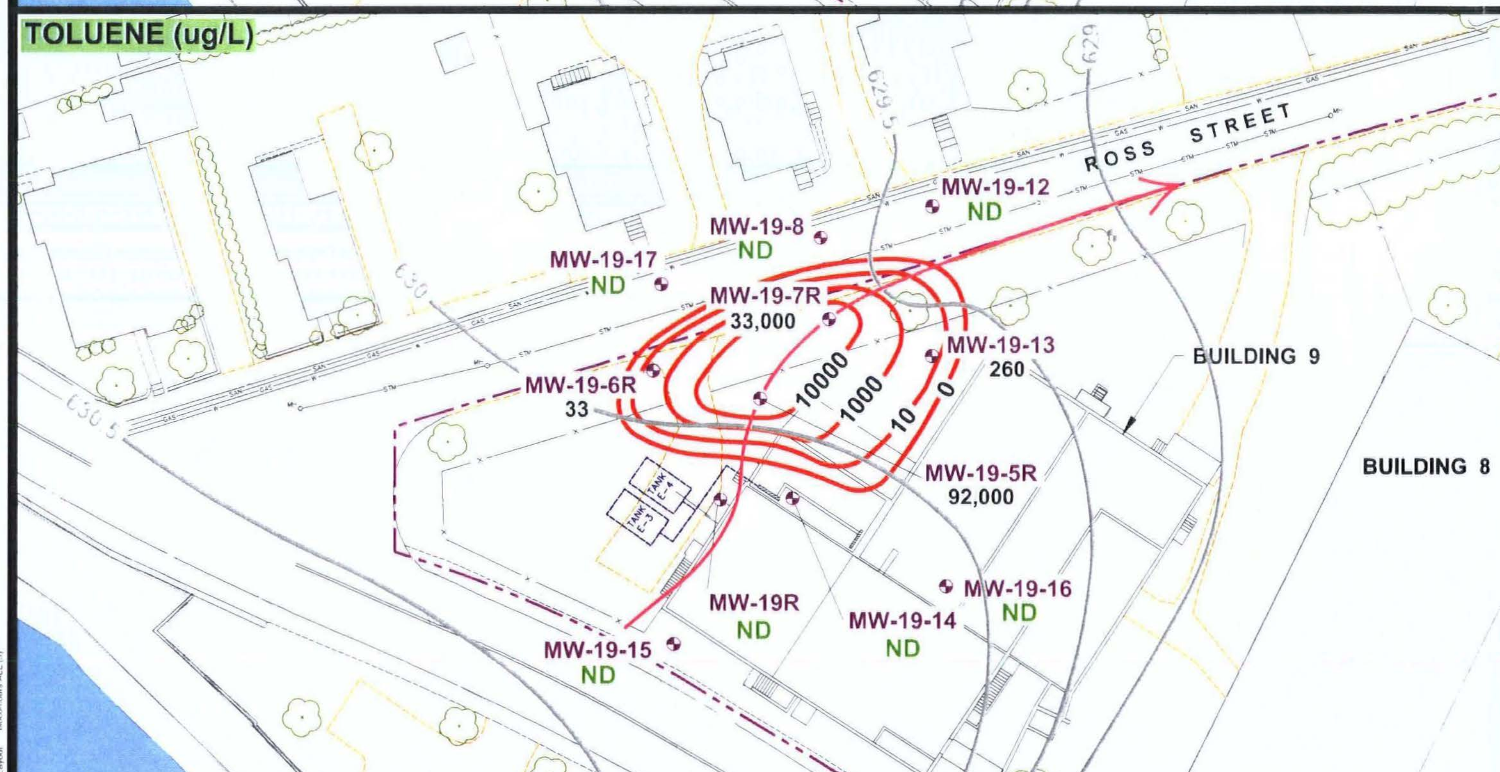
1Q11 TOTAL BTEX ISOCONCENTRATION CONTOURS (mg/L) FOR THE MW-19/HOT SPOT 1 AREA

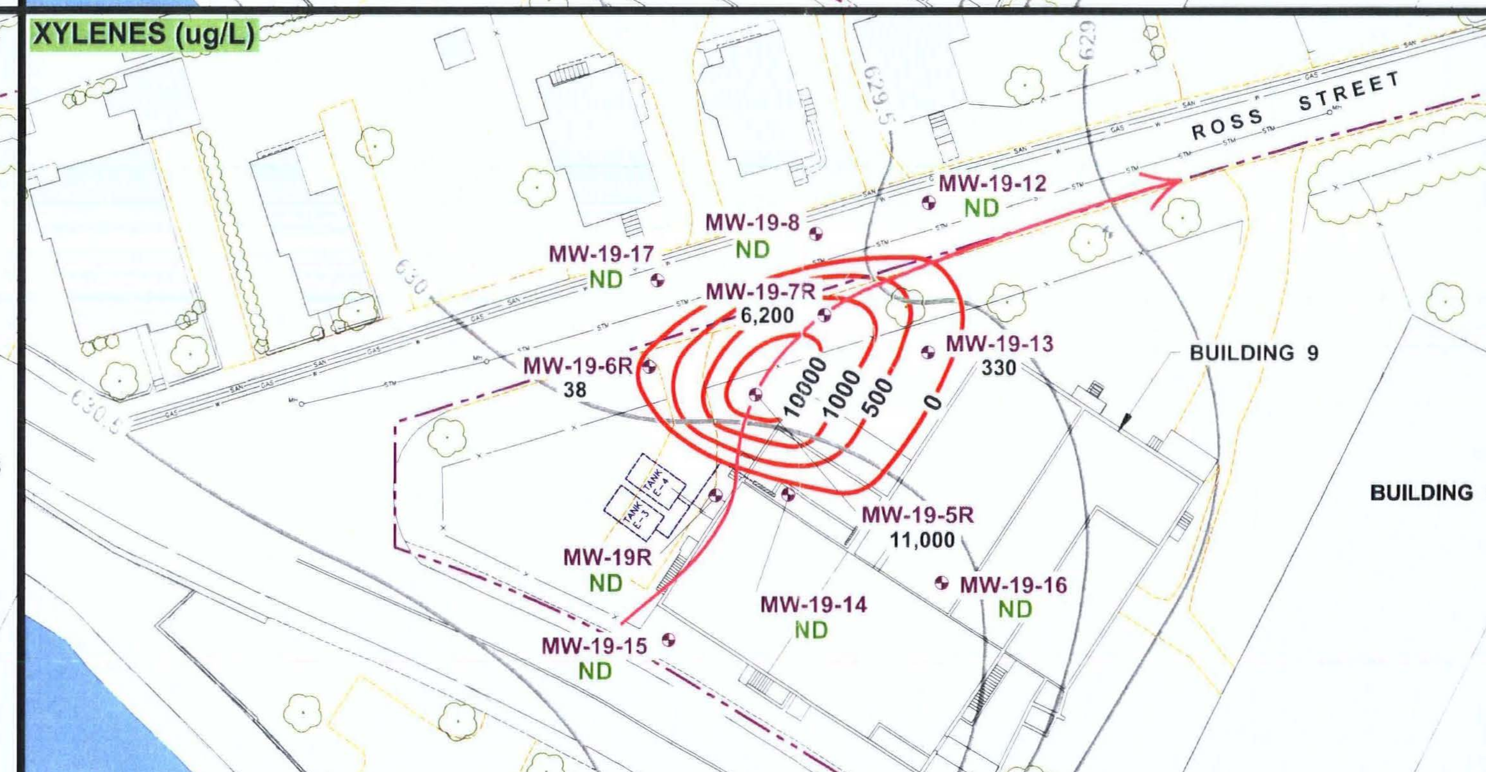
DRAWN BY: SJL	DRAWING SCALE: AS INDICATED	C:\USERS\METZA\DESKTOP\01545.46\46	
CHECKED BY: JJD		FILE NO. 01545.46.04.dwg	
APPROVED BY: JJD	DATE PRINTED	**FIGURE 4**	
DATE: April 2011			

RMT
3754 Ranchero Drive
Ann Arbor, Michigan 48108-2771
Phone: 734-971-7080
Fax: 734-971-9022









LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- POST-REMEDIATION GROUND SURFACE ELEVATIONS
- MW-19-21 — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-19R — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- FORMER UNDERGROUND STORAGE TANK AND PIPING (WESTON 1990-1991)
- 10 — ISOCONCENTRATION CONTOURS FOR INDIVIDUAL BTEX CONSTITUENTS DISSOLVED IN GROUNDWATER (ug/L)
- 626 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- ND — NOT DETECTED
- SAN — SANITARY SEWER
- STM — REGIONAL STORM SEWER LINE
- W — WATER

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03 DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.

0 30' 60' 90' 120'

SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D.
5.				
4.				
3.				
2.				
1.				

DAYCO CORPORATION / L.E. CARPENTER SUPERFUND SITE WHARTON, NEW JERSEY

1Q11 ISOCONCENTRATION CONTOURS (ug/L) FOR FOR BENZENE, ETHYLBENZENE, TOLUENE, AND XYLENES IN THE MW-19/HOT SPOT 1 AREA

DRAWN BY: SJL	DRAWING SCALE: AS INDICATED	C:\USERS\METZA\DESKTOP\01545.46\46	
CHECKED BY: JJD		FILE NO. 01545.46.05.dwg	
APPROVED BY: JJD	DATE PRINTED:	FIGURE 5	
DATE: April 2011			

RMT

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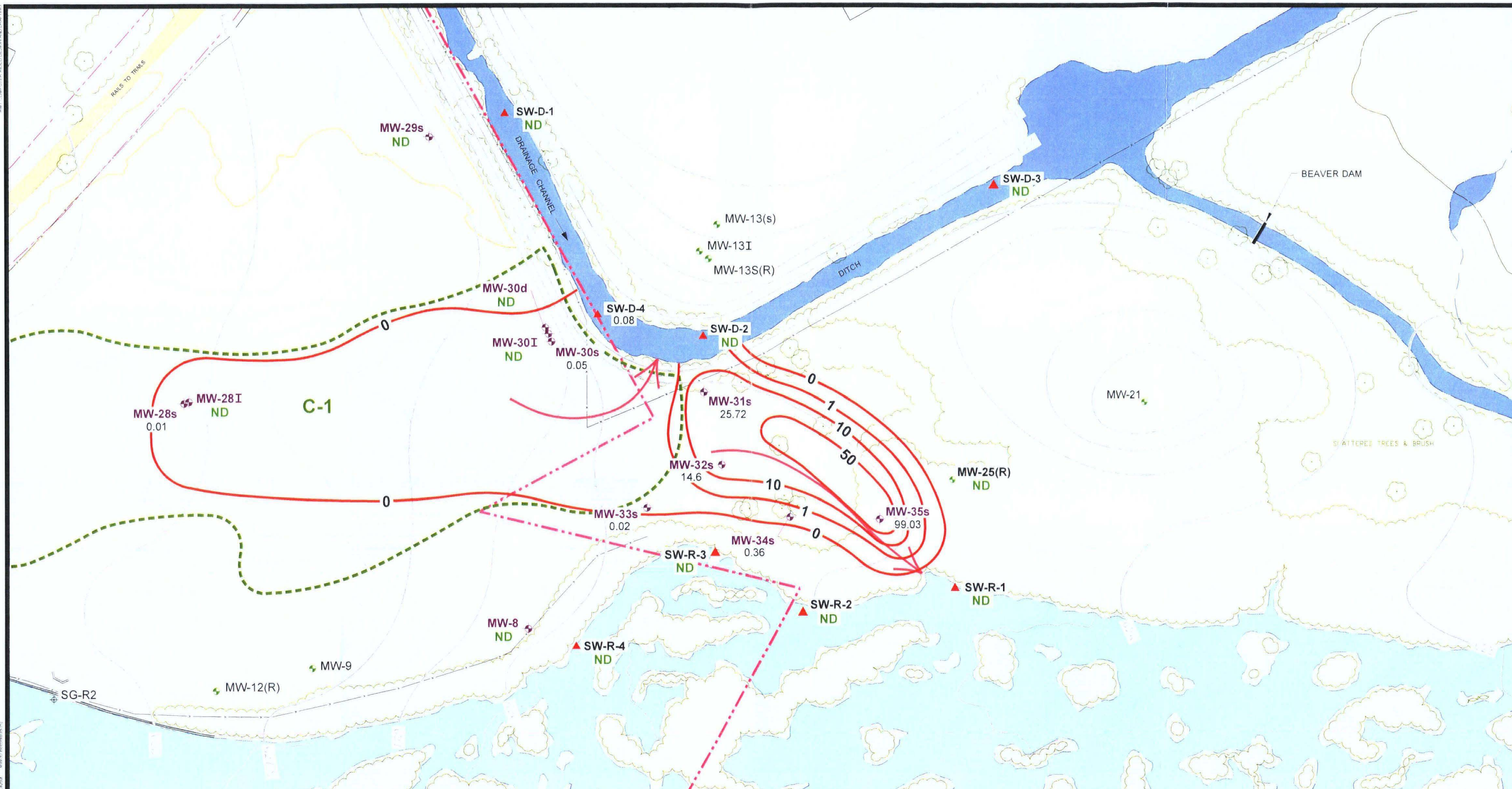
Fax: 734-971-9022

RMT COMPUTER AIDED DESIGN AND DRAFTING

Drawing Name: C:\Users\metza\Desktop\01545.46\01545.46.05.dwg
Operator Name: METZ, ALEX
Drawing Plot Scale: 1:1
Plot Date: April 2008
Plot Time: 6:41 PM
Layout: Isocontours ALL (5)



LEGEND

— · · —	APPROXIMATE PROPERTY LINE
—x—	FENCE LINE
	TREES
MW-19-21	GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
MW-19R	PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
GEI-3I	PIEZOMETER LOCATION
SW-R-5 ▲	SURFACE WATER SAMPLING LOCATION (D = DITCH, R = RIVER)
	POST-REMEDIATION GROUND SURFACE ELEVATIONS
10 ——	ISOCONCENTRATION FOR TOTAL MAXIMUM BTEX (ppm) IN GROUNDWATER
→	APPROXIMATE GROUNDWATER FLOW DIRECTION
0.005	TOTAL BTEX (ppm) IN GROUNDWATER
ND	NOT DETECTED
C-1 - - -	OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY JAMES M.STEWART, INC. LAND SURVEYORS. DRAWING NO. 2793-03.DWG. DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.

0 30' 60' 90' 120'
SCALE IN FEET

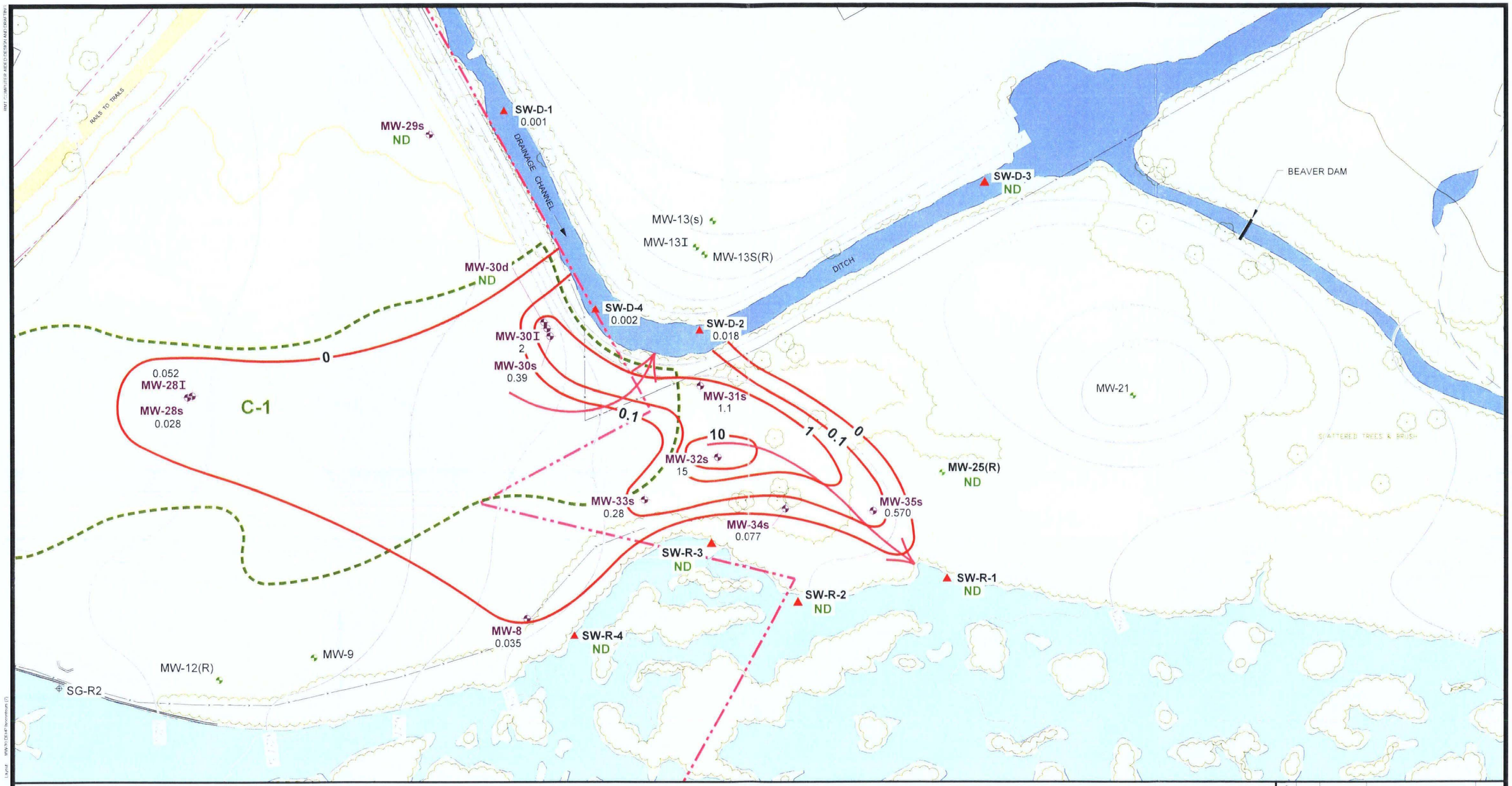
NO	BY	DATE	REVISION	APP'D
5				
4				
3				
2				
1				

DAYCO CORPORATION / L.E. CARPENTER SUPERFUND SITE WHARTON, NEW JERSEY

1Q11 TOTAL BTEX ISOCONCENTRATION CONTOURS (mg/L) FOR THE MW-30 AREA

DRAWN BY	SJL	DRAWING SCALE	PROJECT NO. J:\01545\46
CHECKED BY	JJD	AS INDICATED	FILE NO. 01545-46-06.dwg
APPROVED BY	JJD	DATE PRINTED	**FIGURE 6**
DATE	April 2011		

RMT
3754 Ranchero Drive
Ann Arbor, Michigan 48108-2771
Phone: 734-971-7080
Fax: 734-971-9022



LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-25(R) GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-29s PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- SG-R1 RIVER POINT SURFACE WATER ELEVATION
- SG-D1 DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2i PIEZOMETER LOCATION
- SW-R-1 SURFACE WATER SAMPLING LOCATION (D = DITCH, R = RIVER)
- 20 POST-REMEDIATION GROUND SURFACE ELEVATIONS
- ISOCONCENTRATION FOR DEHP (ppm) IN GROUNDWATER
- 0.005 TOTAL DEHP (ppm) IN GROUNDWATER
- ND NOT DETECTED
- C-1 OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY JAMES M.STEWART, INC., LAND SURVEYORS. DRAWING NO 2793-03.DWG. DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.

0 30 60 90 120
SCALE IN FEET

NO	BY	DATE	REVISION	APPD
6				
5				
4				
3				
2				
1				

DAYCO CORPORATION / L.E. CARPENTER SUPERFUND SITE WHARTON, NEW JERSEY

1Q11 TOTAL DEHP ISOCONCENTRATION CONTOURS (mg/L) FOR THE MW-30 AREA

DRAWN BY	SJL	DRAWING SCALE	PROJECT NO. J-0154546
CHECKED BY	JJD	AS INDICATED	FILE NO. 314546-07.dwg
APPROVED BY	JJD	DATE PRINTED	**FIGURE 7**
DATE	April 2011		

RMT

3754 Rancheo Drive
Ann Arbor, Michigan 48108-2771
Phone 734-971-7080
Fax 734-971-9022

Appendix A
Photographic Summary and Field Data Forms

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
DayCo/LE Carpenter & Company	Wharton, NJ	01545.46.001

Photo No.	Date
1	3/17/11

Description
Standing just East of Main Street looking East at the restored MW19HS1 remediation area.

Photo No.	Date
2	3/17/11

Description
Standing near MW-29s looking Southeast toward MW-30D, 30I, and 30S and the wetland area.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
DayCo/LE Carpenter & Company	Wharton, NJ	01545.46.001

Photo No.	Date
3	3/17/11

Description
Standing near MW-30D, 30I, and 30S looking Northwest across the MW-30 site.

Photo No.	Date
4	3/17/11

Description
Standing South of SW-D-4 looking upstream (North) in the drainage ditch. Photo also shows the replacement absorbent boom sections placed in the ditch during 1Q11 event.

RMT

Photographic Log

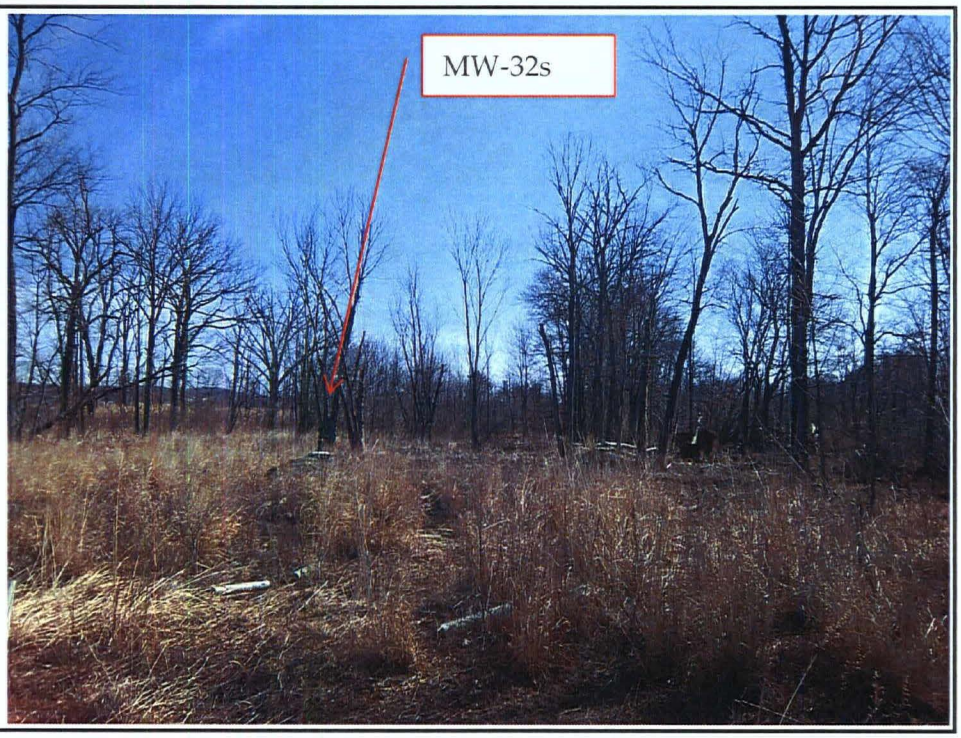
Client Name:	Site Location:	Project No.:
DayCo/LE Carpenter & Company	Wharton, NJ	01545.46.001

Photo No.	Date
5	3/17/11

Description
Standing near SW-D-4 looking downstream (East) in the drainage ditch.

Photo No.	Date
6	3/17/11

Description
Standing near the wetland boundary looking East into the wetland area. MW-32s is shown in the photograph.



RMT

Photographic Log

Client Name:	Site Location:	Project No.:
DayCo/LE Carpenter & Company	Wharton, NJ	01545.46.001

Photo No.	Date
7	3/17/11

Description
Standing at MW-35s looking West across the wetland area.

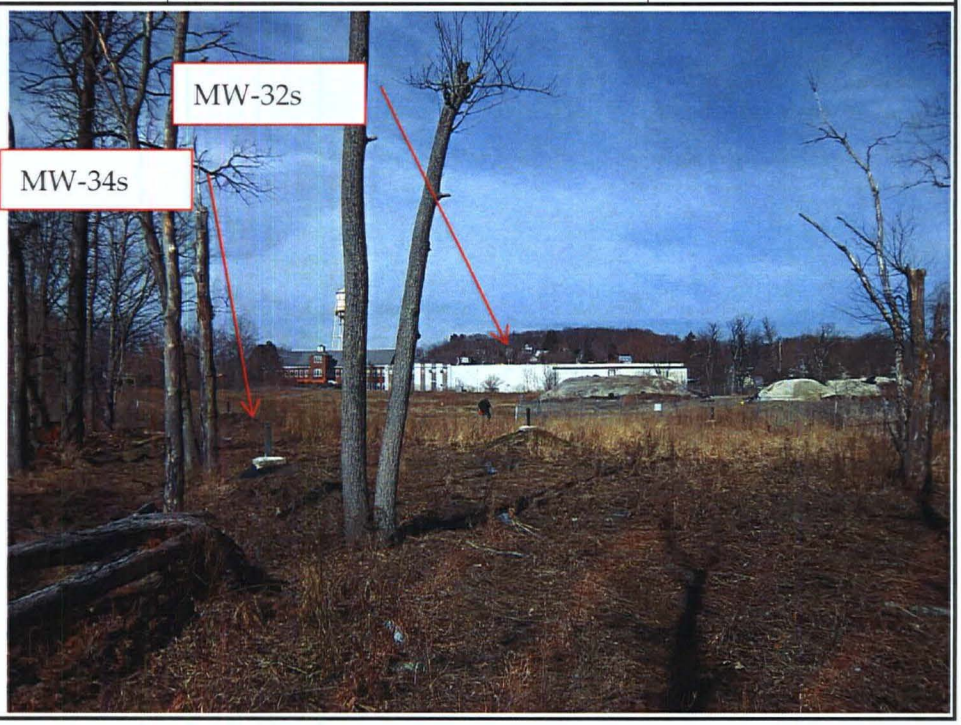


Photo No.	Date
8	3/17/11

Description
Standing near SW-R-1 looking just upstream at the replacement absorbent boom section placed in the Rockaway River.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
DayCo/LE Carpenter & Company	Wharton, NJ	01545.46.001

Photo No.	Date
9	3/17/11

Description
Standing near DRC-02 (ditch river confluence) looking downstream toward the Rockaway River. Note the flooded conditions observed during the 1Q11 sampling event.

Photo No.	Date
10	3/17/11

Description
Standing near DRC-02 looking upstream (North) toward the former beaver dam and SW-D-5.

RMT

Photographic Log

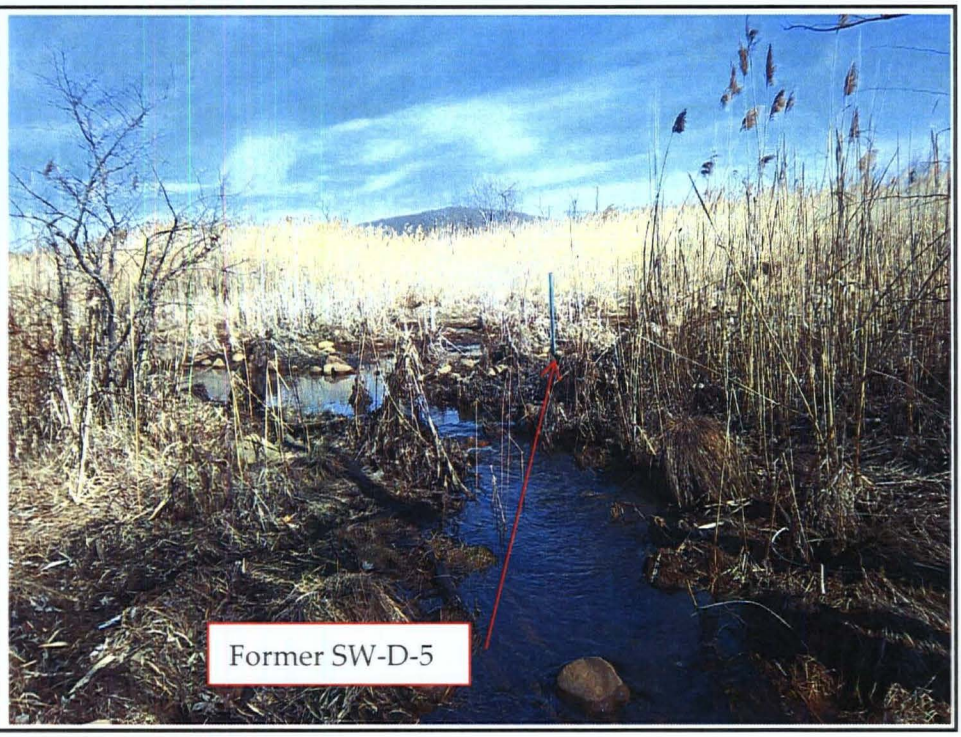
Client Name:	Site Location:	Project No.:
DayCo/LE Carpenter & Company	Wharton, NJ	01545.46.001

Photo No.	Date
11	3/17/11

Description
Standing near SW-D-5 looking downstream the ditch leading toward the Rockaway River.

Photo No.	Date
12	3/17/11

Description
Standing immediately downstream from SW-D-5 and former beaver dam.



RMT

ENVIRONMENT • ENERGY • ENGINEERING

PROJECT NAME:	LE Carpenter
PROJECT NUMBER:	01545.46.001
PROJECT MANAGER:	Barry Culp
SITE LOCATION:	170 N. Main Street Wharton, NJ 07885
DATES OF FIELDWORK:	3/14/2011 TO 3/17/2011
PURPOSE OF FIELDWORK:	1Q11 Sampling Event
WORK PERFORMED BY:	S. Middlebrook/ S. Pawlukiewicz

Scott Pawlukiewicz 3/18/11
SIGNED DATE

Russell Wood 4/19/11
CHECKED BY DATE

REVISED 03/2008

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 3/14/11	TIME ARRIVED: 1044
PROJECT NUMBER: 01545.46.001	AUTHOR: S. Middlebrook/ S. Pawlukiewicz	TIME LEFT: 1830

TEMPERATURE: 40 °F WIND: 0-5 MPH VISIBILITY: OVERCAST

- SITE-WIDE WL's.
- PURGE WETLAND WELLS: (MW-35s, MW-34s, MW-32s, MW-33s, MW-31s)
- COLLECT SURFACE WATER SAMPLES: DRC-02, SW-D-5, SW-R-4, SW-R-3, SW-R-2, SW-R-1, SW-D-4 (Dup-01), SW-R-6, SW-D-3, SW-D-2 (MS/MSD), SW-D-1.

—	—

D. COLDON	LEC	CHECK IN
B. CULP	RMT	STATUS UPDATE

B. Pawlukiewicz 3/14/11
SIGNED DATE

Russell Procter 4/19/11
CHECKED BY DATE

REVISED 03/2008

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter		DATE: 3/15/11	TIME ARRIVED: 0715
PROJECT NUMBER: 01545.46.001		AUTHOR: S. Middlebrook/ S. Pawlukiewicz	TIME LEFT: 1830

TEMPERATURE: 40 °F WIND: 5-10 MPH VISIBILITY: Clear

Sampled: MW-19-12, MW-19-8, MW-19-17, MW-19-15 MW-19-16 MW-29S, MW-25(R), MW-8, MW-28i, MW-29S(Dup-02)
Purge MW-27S Dry.

SIGNED S Pawlukiewicz 3/15/11 DATE

CHECKED BY Rachel Procter 4/19/11 DATE

REVISED 03/2008

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 3/16/11	TIME ARRIVED: 0700
PROJECT NUMBER: 01545.46.001	AUTHOR: S. Middlebrook/ S. Pawlukiewicz	TIME LEFT: 1800

TEMPERATURE: 40 °F WIND: 0-10 MPH VISIBILITY: Rain in AM, Partly cloudy in PM

Sampled: MW-30D, MW-30I, MW-30S, MW-27S, MW-19-MBP, MW-19R, MW-19-5R, MW-19-13, MW-19-6R, MW-19-7R.

Heavy AM. Rain	~ 1 hr delay.

B. Gilp	RMT	Progress Update.

S. Pawlukiewicz 3/16/11
SIGNED DATE

R. Prato 4/19/11
CHECKED BY DATE

REVISED 03/2008

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 3/17/11	TIME ARRIVED: 0700
PROJECT NUMBER: 01545.46.001	AUTHOR: S. Middlebrook/ S. Pawlukiewicz	TIME LEFT: 1615

TEMPERATURE: 50 °F WIND: 0-10 MPH VISIBILITY: Clear

Sampled Wetland Wells: MW-35, MW-34S, MW-33S, MW-32S, MW-31S.

Collected Rinse Blank Samples: RB-01, RB-02, RB-03.

Site Inspection/photos.

Replaced Absorbant Boom Sections by SW-D-4 + SW-R-1

B Culp	RMT	Progress Update.
D. Gonson	LEC	Check-out

S Pawlukiewicz 3/17/11 SIGNED DATE

R. Proctor 4/19/11 CHECKED BY DATE

RMT

EQUIPMENT SUMMARY

PROJECT NAME:	LE Carpenter	SAMPLER NAME:	S. Middlebrook/ S. Pawlukiewicz
PROJECT NO.:	01545.46.001		

QED	PROJECT DEDICATED
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
NA QED	PROJECT DEDICATED
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
QED	PROJECT DEDICATED
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (QED SAMPLE PRO)	RMT GR
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (QED SAMPLE PRO)	RMT GR
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
GEOTECH DISPOSABLE FILTER	0.45 MICRON
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
DISPOSABLE POLY TUBING	☑ LOW-FLOW SAMPLING EVENT
TUBING TYPE	

☐ GROUND ☐ DRUM ☐ POTW ☑ POLYTANK ☐ OTHER _____

STORE BOUGHT	STORE BOUGHT
POTABLE WATER SOURCE	DI WATER SOURCE
B. Pawlukiewicz 3/14/11	R. Proctor 4/19/11
SIGNED DATE	CHECKED BY DATE

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	YSI 556	SAMPLER:	SM/SP
PROJECT NO.:	01545.46.001	SERIAL #:	~~PROJECT~~ GRL	DATE:	3-14-11

PH CALIBRATION CHECK

6.7 / 7.00	4.04 / 4.00	☑ WITHIN RANGE	1334
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

925 / 939	2.49	☑ WITHIN RANGE	1337
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

236 / 253	7.61	☑ WITHIN RANGE	1340
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

9.93	☑ WITHIN RANGE	1339
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

10.02 / 10.0	1.16 / 1.0	☑ WITHIN RANGE	1342
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

CALIBRATED PARAMETERS		LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
☐	pH	pH: +/- 0.2 S.U.
☐	COND	COND: +/- 1% OF CAL. STANDARD
☐	ORP	ORP: +/- 25 mV
☐	D.O.	D.O.: VARIES
☐	TURB	TURB: +/- 5% OF CAL. STANDARD
☐	_____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐	_____	

NOTES

short sampling day

none

Scott Muldoon 3-14-11
SIGNED DATE

R. Proctor 4/PM
CHECKED BY DATE

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	YSI 556	SAMPLER:	SM/SP
PROJECT NO.:	01545.46.001	SERIAL #:	~~PROJECT~~ 6LR	DATE:	3-15-11

PH CALIBRATION CHECK

7.35 / 7.00	3.97 / 4.00	☑ WITHIN RANGE	0756
6.95 / 7.00	4.07 / 4.00	☑ WITHIN RANGE	1233
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

927 / 865	4.68	☑ WITHIN RANGE	0759
1066 / 1018	10.37	☑ WITHIN RANGE	1238
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

243 / 258	4.14	☑ WITHIN RANGE	0801
251 / 248	12.40	☑ WITHIN RANGE	1241
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

9.86	☑ WITHIN RANGE	0805
8.98	☑ WITHIN RANGE	1242
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

1.02 / 1.0	9.82 / 10.0	☑ WITHIN RANGE	0804
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

CALIBRATED PARAMETERS		LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
☐	pH	pH: +/- 0.2 S.U.
☐	COND	COND: +/- 1% OF CAL. STANDARD
☐	ORP	ORP: +/- 25 mV
☐	D.O.	D.O.: VARIES
☐	TURB	TURB: +/- 5% OF CAL. STANDARD
☐	_____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐	_____	

NOTES

None	—

Scott Mitchell 3-15-11
SIGNED DATE

R. Prosser 4/19/11
CHECKED BY DATE

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	YSI 556	SAMPLER:	SM/SP
PROJECT NO.:	01545.46.001	SERIAL #:	~~PROJECT~~ 6RR	DATE:	3-16-11

PH CALIBRATION CHECK

6.75 / 7.00	3.86 / 4.00	☒ WITHIN RANGE	0849
6.70 / 7.00	4.14 / 4.00	☒ WITHIN RANGE	1330
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

932 / 911	6.19	☒ WITHIN RANGE	0851
986 / 982	8.99	☒ WITHIN RANGE	1332
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

265 / 254	6.43	☒ WITHIN RANGE	0853
241 / 254	9.75	☒ WITHIN RANGE	1335
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

8.17	☒ WITHIN RANGE	0855
9.21	☒ WITHIN RANGE	1337
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

9.82 / 10.0	1.00 / 1.0	☒ WITHIN RANGE	0859
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK

CALIBRATED PARAMETERS		
☐	pH	pH: +/- 0.2 S.U.
☐	COND	COND: +/- 1% OF CAL. STANDARD
☐	ORP	ORP: +/- 25 mV
☐	D.O.	D.O.: VARIES
☐	TURB	TURB: +/- 5% OF CAL. STANDARD
☐	_____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐	_____	

NOTES

None

Scott Middleton 3-16-11
SIGNED DATE

R. Proctor 4/19/11
CHECKED BY DATE

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	Q60 MPCO	SAMPLER:	SM/SP
PROJECT NO.:	01545.46.001	SERIAL #:	PROJECT	DATE:	3/15/11

PH CALIBRATION CHECK

7.03 / 7.00	3.91 / 4.00	☒ WITHIN RANGE	0802
7.07 / 7.00	4.22 / 4.00	☒ WITHIN RANGE	1402
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

1395 / 1413	9.81	☒ WITHIN RANGE	0805
1392 / 1413	7.86	☐ WITHIN RANGE	1405
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

221 / 257	5.00	☒ WITHIN RANGE	0811
238 / 253	8.02	☐ WITHIN RANGE	1407
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

8.95	☐ WITHIN RANGE	0814
9.12	☐ WITHIN RANGE	1409
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

740 / 800 / 82.5/100	18/20 / 103/200	☐ WITHIN RANGE	0815
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

CALIBRATED PARAMETERS		LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
☐	pH	pH: +/- 0.2 S.U.
☐	COND	COND: +/- 1% OF CAL. STANDARD
☐	ORP	ORP: +/- 25 mV
☐	D.O.	D.O.: VARIES
☐	TURB	TURB: +/- 6% OF CAL. STANDARD
☐	_____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐	_____	

NOTES

S. Rowley 3/15/11
SIGNED DATE

J. Proctor 4/19/11
CHECKED BY DATE

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	QED MP20	SAMPLER:	SM/SP
PROJECT NO.:	01545.46.001	SERIAL #:	PROJECT	DATE:	3/16/11

PH CALIBRATION CHECK

6.79 / 7.00	3.93 / 4.00	☑ WITHIN RANGE	0802
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

1423 / 1413	7.28	☑ WITHIN RANGE	0804
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

267 / 254	7.19	☑ WITHIN RANGE	0807
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

9.17	☑ WITHIN RANGE	0809
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

689/100 / 84/100	18.6/20 / 0.31/0.1	☑ WITHIN RANGE	0812
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK

CALIBRATED PARAMETERS		
☐	pH	pH: +/- 0.2 S.U.
☐	COND	COND: +/- 1% OF CAL. STANDARD
☐	ORP	ORP: +/- 25 mV
☐	D.O.	D.O.: VARIES
☐	TURB	TURB: +/- 5% OF CAL. STANDARD
☐	_____	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐	_____	

NOTES

B Pawlak 3/15/11
SIGNED DATE

R. Proctor 4/19/11
CHECKED BY DATE

RMT

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE: 3-14-11
PROJECT NUMBER:	01545.46.001	AUTHOR: S. Middlebrook/ S. Pawlukiew

MW-19-5R	1252		5.46	16.07		
MW-19-7R	1254		5.43	16.58		
MW-19-12	1240		4.98	16.78		
MW-19-14	1250		4.59	16.06		
MW-19-16	1247		4.09	15.90		
GEI-3I	1255ft		8.98	—		
MW-21	1419		1.15	—		
MW-28S	1349		5.07	18.70		
MW-29S	1363		5.20	14.65		
MW-30I	1357		0.70	18.16		

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

Scott Middlebrook 3-14-11
SIGNED DATE

R. Proctor 4/19/11
CHECKED DATE

RMT

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE:	3/14/11
PROJECT NUMBER:	01545.46.001	AUTHOR:	S. Middlebrook/ S. Pawlukiew

MW-31s	1551		4.65	NM		
MW-33s	1624		5.11	NM		
MW-35s	1350		3.95	NM	Product not measurable but small amount NAPL as WL indicator	
SW-D-2	1800		2.21			
SW-D-4	1655		1.19	(Dup-01)		
SW-R-1	1605		1.56			
SW-R-3	1625		0.90			
SW-R-5	1257		0.95			
SG-R2	1342		1.10			

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

Scott Middlebrook 3-14-11
SIGNED DATE

R. Pawlukiew 4/19/11
CHECKED DATE

RMT

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE:	3-14-11
PROJECT NUMBER:	01545.46.001	AUTHOR:	S. Middlebrook/ S. Pawlukiew

MW-15I	1310		7.41			
MW-18I				4Q10		
MW-12R	1340		6.02			
MW-8	1334		1.55	20.28		
MW-13I	1743		2.35			

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

S Pawlukiew 3/14/11
SIGNED DATE

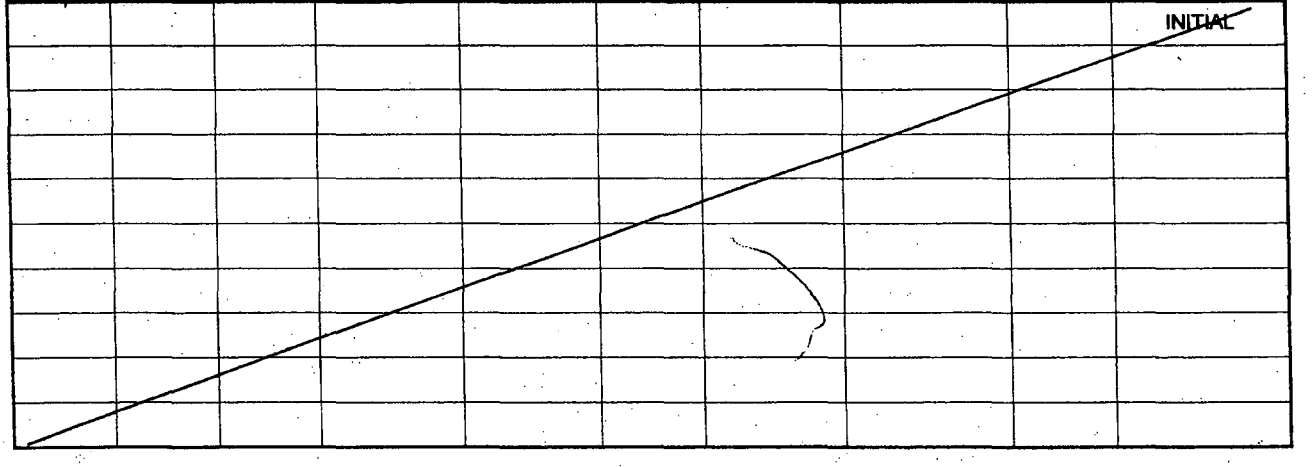
R. Proctor 4/19/11
CHECKED DATE

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter			CHECKED	
PROJECT NUMBER: 01545.46.001	BY: SP	DATE: 3/14/11	BY: RP	DATE: 4/19/11

WELL DIAMETER:	☑ 2"	☐ 4"	☐ 6"	☑ OTHER	N/A		
WELL MATERIAL:	☐ PVC	☐ SS	☐ IRON	☐ GALVANIZED STEEL	☑ OTHER	N/A	
SAMPLE TYPE:	☐ GW	☐ WW	☑ SW	☐ DI	☐ LEACHATE	☐ OTHER	

	TIME:	DATE:		TIME: 1425	DATE: 3-14-11
PURGE METHOD:	☐ PUMP		PH: ____ SU	CONDUCTIVITY: ____ umhos/cm	
	☐ BAILER		ORP: ____ mV	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM: ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____	☐ LITERS	☐ GALLONS	TEMPERATURE: ____ °C	OTHER: ____	
VOLUME REMOVED: ____	☐ LITERS	☐ GALLONS	COLOR: ____	ODOR: ____	
COLOR: ____	ODOR: ____		FILTRATE (0.45 um) ☐ YES	☑ NO	
TURBIDITY			FILTRATE COLOR: ____	FILTRATE ODOR: ____	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP- ____	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		



NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
2	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/15/11	AIRBILL NUMBER: 858152512325
COC NUMBER: NA	SIGNATURE: S Pandey	DATE SIGNED: 3-15-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY: SP	DATE: 3-14-11	BY: RP	DATE: 4/19/11

WELL DIAMETER:	☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A
WELL MATERIAL:	☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A
SAMPLE TYPE:	☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME:	DATE:
PURGE METHOD:	☐ PUMP ☐ BAILER
DEPTH TO WATER:	T/ PVC
DEPTH TO BOTTOM:	T/ PVC
WELL VOLUME:	☐ LITERS ☐ GALLONS
VOLUME REMOVED:	☐ LITERS ☐ GALLONS
COLOR:	ODOR:
TURBIDITY	☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☐ OTHER

TIME: 3-14-11 1435	DATE: 3/14/11
PH: SU	CONDUCTIVITY: umhos/cm
ORP: mV	DO: mg/L
TURBIDITY: NTU	☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
TEMPERATURE: °C	OTHER:
COLOR:	ODOR:
FILTRATE (0.45 um) ☐ YES	☑ NO
FILTRATE COLOR:	FILTRATE ODOR:
QC SAMPLE: ☐ MS/MSD	☐ DUP-
COMMENTS:	

											INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ______

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
2	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/15/11	AIRBILL NUMBER: 838152512325
COC NUMBER: NA	SIGNATURE: S Pawley	DATE SIGNED: 3/15/11

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY: SP	DATE: 3/14/11	BY: RP	DATE: 4/10/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME:	DATE:
PURGE METHOD: ☐ PUMP ☐ BAILER	
DEPTH TO WATER: T/ PVC	
DEPTH TO BOTTOM: T/ PVC	
WELL VOLUME: ☐ LITERS ☐ GALLONS	
VOLUME REMOVED: ☐ LITERS ☐ GALLONS	
COLOR:	ODOR:
TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER	

TIME: 1605	DATE: 3/14/11
PH: SU	CONDUCTIVITY: umhos/cm
ORP: mV	DO: mg/L
TURBIDITY: NTU ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE: °C	OTHER:
COLOR:	ODOR:
FILTRATE (0.45 um) ☐ YES ☑ NO	
FILTRATE COLOR:	FILTRATE ODOR:
QC SAMPLE: ☐ MS/MSD	☐ DUP-
COMMENTS:	

											INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F -

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
2	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/15/11	AIRBILL NUMBER: 8581 6265 12325
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY: SP	DATE: 3/14/11	BY: DP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME:	DATE:	TIME: 1615	DATE: 3/14/11
PURGE METHOD: ☐ PUMP _____ ☐ BAILER _____		PH: _____ SU	CONDUCTIVITY: _____ umhos/cm
		ORP: _____ mV	DO: _____ mg/L
DEPTH TO WATER: _____ T/ PVC		TURBIDITY: _____ NTU	
DEPTH TO BOTTOM: _____ T/ PVC		☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: _____ ☐ LITERS ☐ GALLONS		TEMPERATURE: _____ °C	OTHER: _____
VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS		COLOR: _____	ODOR: _____
COLOR: _____	ODOR: _____	FILTRATE (0.45 um) ☐ YES	☑ NO
TURBIDITY		FILTRATE COLOR: _____	FILTRATE ODOR: _____
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP- _____
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER		COMMENTS:	

										INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
2	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	FedEx	DATE SHIPPED:	3/15/11	AIRBILL NUMBER:	858152512325
COC NUMBER:	NA	SIGNATURE:		DATE SIGNED:	3/15/11

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter				
PROJECT NUMBER: 01545.46.001	BY: SP	DATE: 3/14/11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

	TIME:	DATE:		TIME: 1625	DATE: 3/14/11
PURGE METHOD:	☐ PUMP		PH: ____ SU	CONDUCTIVITY: ____ umhos/cm	
	☐ BAILER		ORP: ____ mV	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM: ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____ ☐ LITERS ☐ GALLONS			TEMPERATURE: ____ °C	OTHER: ____	
VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS			COLOR: ____	ODOR: ____	
COLOR: ____ ODOR: ____			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY			FILTRATE COLOR: ____	FILTRATE ODOR: ____	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP- ____		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

										INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
2	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/15/11	AIRBILL NUMBER: 8581525178 25
COC NUMBER: NA	SIGNATURE: S Powderly	DATE SIGNED: 3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter				
PROJECT NUMBER: 01545.46.001	BY: SP	DATE: 3/14/11	BY: RP	DATE: 4/29/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

	TIME:	DATE:	TIME: 1635	DATE: 3/14/11
PURGE METHOD:	☐ PUMP _____ ☐ BAILER _____		PH: _____ SU	CONDUCTIVITY: _____ umhos/cm
			ORP: _____ mV	DO: _____ mg/L
DEPTH TO WATER: _____ T/ PVC			TURBIDITY: _____ NTU	
DEPTH TO BOTTOM: _____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: _____ ☐ LITERS ☐ GALLONS			TEMPERATURE: _____ °C	OTHER: _____
VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS			COLOR: _____	ODOR: _____
COLOR: _____ ODOR: _____			FILTRATE (0.45 um) ☐ YES	☑ NO
TURBIDITY			FILTRATE COLOR: _____	FILTRATE ODOR: _____
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP- _____
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:	

									INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
2	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/15/11	AIRBILL NUMBER: 458153517325
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY: SP	DATE: 3/14/11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

	TIME:	DATE:		TIME: 1655	DATE: 3/14/11
PURGE METHOD:	☐ PUMP _____ ☐ BAILER _____		PH: _____ SU	CONDUCTIVITY: _____ umhos/cm	
DEPTH TO WATER: _____ T/ PVC			ORP: _____ mV	DO: _____ mg/L	
DEPTH TO BOTTOM: _____ T/ PVC			TURBIDITY: _____ NTU		
WELL VOLUME: _____ ☐ LITERS ☐ GALLONS			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS			TEMPERATURE: _____ °C	OTHER: _____	
COLOR: _____ ODOR: _____			COLOR: _____	ODOR: _____	
TURBIDITY			FILTRATE (0.45 um) ☐ YES	☑ NO	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR: _____	FILTRATE ODOR: _____	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER			QC SAMPLE: ☐ MS/MSD	☒ DUP- 01	
			COMMENTS:		

										INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
4	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	FedEx	DATE SHIPPED:	3/15/11	AIRBILL NUMBER:	8585851232 5
COC NUMBER:	NA	SIGNATURE:	S Pawlitz	DATE SIGNED:	3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter				
PROJECT NUMBER: 01545.46.001	BY: SP	DATE: 3/14/11	BY: RR	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME:	DATE:	TIME: 1730	DATE: 3/14/11

PURGE METHOD: ☐ PUMP _____ ☐ BAILER _____

PH: _____ SU CONDUCTIVITY: _____ umhos/cm

ORP: _____ mV DO: _____ mg/L

DEPTH TO WATER: _____ T/ PVC

DEPTH TO BOTTOM: _____ T/ PVC

TURBIDITY: _____ NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

WELL VOLUME: _____ ☐ LITERS ☐ GALLONS

TEMPERATURE: _____ °C OTHER: _____

VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS

COLOR: _____ ODOR: _____

COLOR: _____ ODOR: _____

FILTRATE (0.45 um) ☐ YES ☑ NO

TURBIDITY

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

FILTRATE COLOR: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER

COMMENTS:

									INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
2	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FEDEX	DATE SHIPPED: 3/15/11	AIRBILL NUMBER: 8589 5252 7325
COC NUMBER: NA	SIGNATURE: S Pawlak	DATE SIGNED: 3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY: SP	DATE: 3/14/11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

	TIME:	DATE:		TIME: 1745	DATE: 3/14/11
PURGE METHOD:	☐ PUMP		PH: ____ SU	CONDUCTIVITY: ____ umhos/cm	
	☐ BAILER		ORP: ____ mV	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM: ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____ ☐ LITERS ☐ GALLONS			TEMPERATURE: ____ °C	OTHER: ____	
VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS			COLOR: ____	ODOR: ____	
COLOR: ____ ODOR: ____			FILTRATE (0.45 um) ☐ YES	☑ NO	
TURBIDITY			FILTRATE COLOR: ____	FILTRATE ODOR: ____	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP- ____	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

									INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
2	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	FedEx	DATE SHIPPED:	3/15/11	AIRBILL NUMBER:	883152510305
COC NUMBER:	N/A	SIGNATURE:	S Powell	DATE SIGNED:	3/15/11

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY: SP	DATE: 3/11/11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER _____

	TIME:	DATE:		TIME: 1800	DATE: 3/14/11
PURGE METHOD:	☐ PUMP _____ ☐ BAILER _____		PH: _____ SU	CONDUCTIVITY: _____ umhos/cm	
			ORP: _____ mV	DO: _____ mg/L	
DEPTH TO WATER: _____ T/ PVC			TURBIDITY: _____ NTU ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DEPTH TO BOTTOM: _____ T/ PVC					
WELL VOLUME: _____ ☐ LITERS ☐ GALLONS			TEMPERATURE: _____ °C	OTHER: _____	
VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS			COLOR: _____	ODOR: _____	
COLOR: _____	ODOR: _____		FILTRATE (0.45 um) ☐ YES	☑ NO	
TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR: _____	FILTRATE ODOR: _____	
			QC SAMPLE: ☒ MS/MSD	☐ DUP- _____	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

										INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
4	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	FedEx	DATE SHIPPED:	3/15/11	AIRBILL NUMBER:	858157512325
COC NUMBER:	n/a	SIGNATURE:	S Pawling	DATE SIGNED:	3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter					
PROJECT NUMBER: 01545.46.001	BY: SP	DATE: 3/14/11	BY: RP	DATE: 4/19/11	

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME:	DATE:	TIME: 1810	DATE: 3/14/11
PURGE METHOD: ☐ PUMP ☐ BAILER		PH: ____ SU	CONDUCTIVITY: ____ umhos/cm
		ORP: ____ mV	DO: ____ mg/L
DEPTH TO WATER: ____ T/ PVC		TURBIDITY: ____ NTU	
DEPTH TO BOTTOM: ____ T/ PVC		☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: ____ ☐ LITERS ☐ GALLONS		TEMPERATURE: ____ °C	OTHER: ____
VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS		COLOR: ____	ODOR: ____
COLOR: ____ ODOR: ____		FILTRATE (0.45 um) ☐ YES	☑ NO
TURBIDITY		FILTRATE COLOR: ____	FILTRATE ODOR: ____
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP- ____
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER		COMMENTS:	

									INITIAL

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
2	1 L	AMBER	F	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/15/11	AIRBILL NUMBER: 858152518385
COC NUMBER: NA	SIGNATURE: S Pawlik	DATE SIGNED: 3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter					
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3-15-11	BY: RR	DATE: 4/14/11	

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 0921 DATE: 3-15-11	TIME: 0940 DATE: 3-15-11
PURGE METHOD: ☒ PUMP QED Bladder ☐ BAILER	PH: 7.30 SU CONDUCTIVITY: 293 umhos/cm
	ORP: 47.2 mV DO: 5.30 mg/L
DEPTH TO WATER: 5.21 T/ PVC	TURBIDITY: 5.34 NTU
DEPTH TO BOTTOM: 16.78 T/ PVC	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
WELL VOLUME: 7.2 ☒ LITERS ☐ GALLONS	TEMPERATURE: 8.30 °C OTHER:
VOLUME REMOVED: 8.0 ☒ LITERS ☐ GALLONS	COLOR: clr ODOR: no
COLOR: Tan ODOR: no	FILTRATE (0.45 um) ☒ YES ☐ NO
TURBIDITY 73.0	FILTRATE COLOR: clr FILTRATE ODOR: no
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	COMMENTS: Fe^{+2}-0 Alk-100 CO_2-10

0920	400	7.07	344	81.7	28.84	73.0	7.95	5.21	INITIAL
0925	↓	7.25	288	63.7	5.40	62.1	8.23	5.21	2.0
0930		7.31	286	55.3	5.32	28.3	8.26	5.21	4.0
0935		7.31	291	49.7	5.25	11.9	8.26	5.21	6.0
0940		7.30	293	47.2	5.30	5.34	8.30	5.21	8.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ PLST	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-15-11	AIRBILL NUMBER:	8881525 12825
COC NUMBER:	NA	SIGNATURE:	Scott Mitchell	DATE SIGNED:	3-15-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-15-11	BY: MP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1016 DATE: 3-15-11	TIME: 1046 DATE: 3-15-11
PURGE METHOD: ☒ PUMP QED Port. Bladder ☐ BAILER	PH: 6.87 SU CONDUCTIVITY: 2162 umhos/cm
DEPTH TO WATER: 5.85 T/ PVC	ORP: 80.1 mV DO: 3.36 mg/L
DEPTH TO BOTTOM: 19.10 T/ PVC	TURBIDITY: 8.13 NTU
WELL VOLUME: 8.2 ☒ LITERS ☐ GALLONS	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
VOLUME REMOVED: 12.0 ☒ LITERS ☐ GALLONS	TEMPERATURE: 8.59 °C OTHER:
COLOR: Brown ODOR: no	COLOR: few dark floaters ODOR: no
TURBIDITY 610	FILTRATE (0.45 um) ☒ YES ☒ NO
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY	FILTRATE COLOR: clr FILTRATE ODOR: no
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	QC SAMPLE: ☐ MS/MSD ☐ DUP-
	COMMENTS: FL-0 ALK-130 CO_3-14

1016	400	6.85	1690	86.9	5.00	610	8.42	5.85	INITIAL
1021		6.81	2102	86.2	3.62	131	8.45	5.83	2.0
1026		6.86	2134	84.0	3.57	71.2	8.42	5.84	4.0
1031		6.93	2160	83.0	3.50	34.6	8.44	5.84	6.0
1036		6.84	2167	81.9	3.47	15.1	8.45	5.84	8.0
1041		6.88	2167	80.9	3.40	8.18	8.50	5.84	10.0
1046	↓	6.87	2162	80.1	3.36	8.13	8.59	5.84	12.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-15-11	AIRBILL NUMBER:	858152517325
COC NUMBER:	NA	SIGNATURE:		DATE SIGNED:	3-15-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		REVIEWED	
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-15-11	BY: RP	DATE: 4/19/11

WELL INFORMATION

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1122	DATE: 3-15-11	TIME: 1152	DATE: 3-15-11
PURGE METHOD: ☒ PUMP QED Bladder; ☐ BAILER		PH: 6.59 SU	CONDUCTIVITY: 1332 umhos/cm
		ORP: -2.2 mV	DO: 0.17 mg/L
DEPTH TO WATER: 6.49 T/ PVC		TURBIDITY: 9.19 NTU	
DEPTH TO BOTTOM: 15.64 T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 5.6 ☐ LITERS ☐ GALLONS		TEMPERATURE: 10.47 °C	OTHER:
VOLUME REMOVED: 12.0 ☒ LITERS ☐ GALLONS		COLOR: clr	ODOR: NO
COLOR: Brown	ODOR: NO	FILTRATE (0.45 um) ☐ YES ☑ NO	
TURBIDITY 323		FILTRATE COLOR:	FILTRATE ODOR:
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER		COMMENTS: Fe-13 Alk-110 CO_2-27	

1122	400	6.34	1339	40.1	3.46	323	10.07	6.49	INITIAL
1127	↓	6.52	1319	~~35~~ 31.4	0.34	141	10.29	6.49	2.0
1132		6.57	1325	23.6	0.41	73.8	10.33	6.49	4.0
1137		6.55	1335	14.9	0.23	32.3	10.41	6.49	6.0
1142		6.55	1334	7.7	0.19	14.3	10.45	6.49	8.0
1147		6.57	1335	2.5	0.18	11.5	10.47	6.49	10.0
1152		6.59	1332	-2.2	0.17	9.19	10.47	6.49	12.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

SAMPLE INFORMATION PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ PLST	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-15-11	AIRBILL NUMBER:	858152512325
COC NUMBER:	NA	SIGNATURE:	Scott Mabbe	DATE SIGNED:	3-15-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-15-11	BY: RP	DATE: 4/29/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1246	DATE: 3-15-11	TIME: 1321	DATE: 3-15-11
PURGE METHOD: ☒ PUMP QED Ports Bladde ☐ BAILER		PH: 6.58 SU	CONDUCTIVITY: 1606 umhos/cm
		ORP: 92.5 mV	DO: 3.73 mg/L
DEPTH TO WATER: 5.27 T/ PVC		TURBIDITY: 15.2 NTU	
DEPTH TO BOTTOM: 15.71 T/ PVC		☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 6.44 ☒ LITERS ☐ GALLONS		TEMPERATURE: 8.64 °C	OTHER: —
VOLUME REMOVED: 14.0 ☒ LITERS ☐ GALLONS		COLOR: Lt Brn	ODOR: NO
COLOR: Brown	ODOR: [illegible]	FILTRATE (0.45 um) ☐ YES	☒ NO
TURBIDITY >5000		FILTRATE COLOR: Clr	FILTRATE ODOR: NO
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER		COMMENTS: Fe - 0.2 CO_2 - 11 ALK-150	

1246	400	6.33	1677	115.9	6.66	>5000	9.99	5.27	INITIAL
1251		6.46	1608	104.0	3.32	1314	9.23	5.30	2.0
1256		6.55	1590	101.1	3.50	92.1	8.77	5.30	4.0
1301		6.57	1596	98.8	3.57	26.8	8.65	5.30	6.0
1306		6.57	1601	97.0	3.68	17.8	8.71	5.30	8.0
1311		6.58	1604	94.6	3.67	14.0	8.66	5.30	10.0
1316		6.58	1606	93.3	3.70	13.9	8.68	5.30	12.0
1321	↓	6.58	1606	92.5	3.73	15.2	8.64	5.30	14.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ PLST	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-15-11	AIRBILL NUMBER:	858158512325
COC NUMBER:	NA	SIGNATURE:	Scott Mitchell	DATE SIGNED:	3-15-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-15-11	BY: RP	DATE: 4/19/11

SAMPLE ID: MW-19-16 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGE	TIME: 1403	DATE: 3-15-11	SAMPLED	TIME: 1533	DATE: 3-15-11
PURGE METHOD:	☒ PUMP QED Port. Bladder ☐ BAILER		PH: 6.75 SU	CONDUCTIVITY: 914 umhos/cm	
			ORP: 84.7 mV	DO: 0.21 mg/L	
DEPTH TO WATER: 4.58 T/ PVC			TURBIDITY: 9.15 NTU		
DEPTH TO BOTTOM: 15.90 T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 7.0 ☒ LITERS ☐ GALLONS			TEMPERATURE: 6.56 °C	OTHER:	
VOLUME REMOVED: 36.0 ☒ LITERS ☐ GALLONS			COLOR: clr	ODOR: no	
COLOR: Brown ODOR: no			FILTRATE (0.45 um) ☒ YES	☒ NO	
TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: no	
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER			COMMENTS: Fe-0.3 ALK-150 CO_2-11		

TIME	FLOW RATE (mL/min)	pH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	DO (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	DEPTH TO WATER (ft)	COMMENTS
1403	400	6.75	899	88.6	1.94	4085	8.11	4.58	INITIAL
1408		6.65	911	84.9	0.38	520	7.29	4.52	2.0
1413		6.70	888	88.6	0.35	194	6.93	4.54	4.0
1418		6.68	911	90.7	0.26	89.9	6.94	4.56	6.0
1423		6.71	917	90.4	0.23	56.1	6.93	4.56	8.0
1428		6.73	914	89.3	0.22	44.5	6.88	4.56	10.0
1433		6.74	912	88.5	0.22	47.5	6.82	4.56	12.0
1438		6.71	914	88.2	0.23	28.3	6.89	4.56	14.0
1443		6.72	915	87.2	0.21	62.0	6.82	4.56	16.0
1448	↓	6.73	918	87.1	0.22	143	6.89	4.56	18.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS plst	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: 3-15-11	DATE SHIPPED: 3-15-11	AIRBILL NUMBER: 858152512325
COC NUMBER: NA	SIGNATURE: Scott Mallory	DATE SIGNED: 3-16-11

REVISED 03/2008

RMT **WATER SAMPLE LOG** (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	01545.46.001	BY: SM/SP	DATE: 3-15-11	BY: RP	DATE: 4/19/11

SAMPLE ID: MW-19-16

TIME	PURGE RATE (mL/MIN)	pH (SU)	CONDUCTIVITY (µmhos/cm)	ORP (mV)	DO (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GALLONS)
1453	400	6.67	920	88.9	0.19	23.5	6.91	4.56	20.0
1458	↓	6.69	918	88.1	0.19	17.7	6.79	4.56	22.0
1503		6.71	919	86.2	0.27	19.1	6.85	4.56	24.0
1508		6.74	922	85.5	0.44	21.8	6.91	4.56	26.0
1513		6.74	928	85.3	0.24	21.0	6.92	4.56	28.0
1518		6.73	927	84.9	0.22	46.4	6.81	4.56	30.0
1523		6.75	929	84.8	0.22	56.7	6.81	4.56	32.0
1528		6.74	921	84.8	0.21	35.0	6.60	4.56	34.0
1533	↓	6.75	914	84.7	0.21	9.15	6.56	4.56	36.0

SIGNATURE: Scott Mulcahy DATE SIGNED: 3-15-11

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter					
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3/15/11	BY: RP	DATE: 4/19/11	

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 0959	DATE: 3/15/11	TIME: 0924	DATE: 3/15/11
PURGE METHOD: ☒ PUMP Blomer / ☐ BAILER		PH: 6.65 SU	CONDUCTIVITY: 912 umhos/cm
		ORP: -94 mV	DO: 0.36 mg/L
DEPTH TO WATER: 5.35 T/ PVC		TURBIDITY: 8.88 NTU	
DEPTH TO BOTTOM: 14.65 T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 5.74 ☒ LITERS ☐ GALLONS		TEMPERATURE: 8.56 °C	OTHER:
VOLUME REMOVED: 10 ☒ LITERS ☐ GALLONS		COLOR: very clear	ODOR: none
COLOR: Cloudy / orange Flakes ODOR: No		FILTRATE (0.45 um) ☐ YES ☑ NO	
45.6 TURBIDITY		FILTRATE COLOR: Clr	FILTRATE ODOR: NO
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER		COMMENTS: A/C: 50 CO_2 25 F_2: 10	

0859	400	6.77	936	59	4.87	85.6	7.24	5.35	INITIAL
0904	↓	6.54	914	-45	1.42	42.3	8.13	5.45	2
0907		6.58	913	-74	0.63	34.7	8.34	5.45	4
0914		6.65	912	-88	0.43	16.7	8.51	5.45	6
0919		6.64	913	-91	0.41	12.7	8.53	5.45	8
0924		6.65	912	-94	0.36	8.88	8.56	5.45	10

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fedex	DATE SHIPPED: 3/15/11	AIRBILL NUMBER: 858152517325			
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 3/16/11			

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3/15/11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1029 DATE: 3/15/11	TIME: 1144 DATE: 3/15/11
PURGE METHOD: ☑ PUMP Bladder ☐ BAILER	PH: 6.85 SU CONDUCTIVITY: 668 umhos/cm
DEPTH TO WATER: 2.25 T/ PVC	ORP: -36 mV DO: 1.18 mg/L
DEPTH TO BOTTOM: 9.18 T/ PVC	TURBIDITY: 9.6 NTU
WELL VOLUME: 9.28 ☑ LITERS ☐ GALLONS	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
VOLUME REMOVED: 30 ☑ LITERS ☐ GALLONS	TEMPERATURE: 6.72 °C OTHER:
COLOR: Brown ODOR: NO	COLOR: Clear ODOR: none
318 TURBIDITY	FILTRATE (0.45 um) ☑ YES ☑ NO
☐ NONE ☐ SLIGHT ☐ MODERATE ☑ VERY	FILTRATE COLOR: CLR FILTRATE ODOR: NO
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER	QC SAMPLE: ☐ MS/MSD ☐ DUP-
	COMMENTS: Alk: 100 CO_2: <10 Fe: 1.0

1027	400	7.23	838	-9	6.26	318	6.36	2.25	INITIAL
1034	↓	~~6.95~~ 7.55	832	-42	1.11	130	7.51	2.30	2
1039		6.94	830	-53	0.45	112	7.50	2.30	4
1044		6.93	826	-57	0.33	86.6	7.37	2.30	6
1049		6.92	816	-58	0.35	71.8	7.32	2.30	8
1054		6.90	756	-55	0.74	72.9	7.15	2.30	10
1059		6.88	715	-49	1.01	59.9	6.96	2.30	12
1104		6.90	698	-46	1.09	51.8	6.92	2.30	14
1109		6.86	685	-43	1.11	36.0	6.79	2.30	16
1114		6.85	680	-40	1.12	29.6	6.75	2.30	18

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fedex	DATE SHIPPED:	3/15/11	AIRBILL NUMBER:	858152512325
COC NUMBER:	NA	SIGNATURE:		DATE SIGNED:	3/15/11

REVISED 03/2008

RMT **WATER SAMPLE LOG** (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 01545.46.001	BY: SM/SP	DATE: 3/15/11	BY: RP	DATE: 4/19/11

1119	460	6.85	672	-39	1.13	21.3	6.78	2.30	20
1124	↓	6.84	670	-37	1.13	18.4	6.81	2.30	22
1129	↓	6.84	669	-36	1.13	15.1	6.75	2.30	24
1134		6.87	666	-37	1.14	14.6	6.71	2.30	26
1139		6.85	667	-36	1.14	12.1	6.65	2.30	28
1144		6.85	668	-36	1.18	9.6	6.72	2.30	30

SIGNATURE: S Pawlukiewicz DATE SIGNED: 3/15/11

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3/15/11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1235 DATE: 3/15/11	TIME: 1310 DATE: 3/15/11
PURGE METHOD: ☒ PUMP bladder ☐ BAILER	PH: 7.02 SU CONDUCTIVITY: 864 umhos/cm
DEPTH TO WATER: 1.75 T/ PVC	ORP: -139 mV DO: 0.18 mg/L
DEPTH TO BOTTOM: 20.28 T/ PVC	TURBIDITY: 36.2 NTU
WELL VOLUME: 11.44 ☒ LITERS ☐ GALLONS	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
VOLUME REMOVED: 14 ☒ LITERS ☐ GALLONS	TEMPERATURE: 8.71 °C OTHER:
COLOR: Cloudy, Blk. Flakes ODOR: NO	COLOR: clear ODOR: none
123 TURBIDITY	FILTRATE (0.45 um) ☒ YES ☐ NO
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY	FILTRATE COLOR: Clr FILTRATE ODOR: NO
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	QC SAMPLE: ☐ MS/MSD ☐ DUP-
	COMMENTS: Alk: 100 Cl2: 20 Fe: 20

1235	4100	6.91	864	-60	4.61	123	8.46	1.75	INITIAL
1240	↓	6.97	865	-109	1.05	581	8.96	2.15	2
1245		7.00	867	-126	0.68	94.8	8.95	2.15	4
1250		6.99	866	-131	0.42	50.7	8.87	2.15	6
1255		6.99	866	-133	0.32	39.9	8.86	2.15	8
1300		7.00	866	-136	0.25	35.8	8.82	2.15	10
1305		7.04	865	-138	0.19	38.6	8.80	2.15	12
1310		7.02	864	-139	0.18	36.2	8.71	2.15	14

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fedex	DATE SHIPPED:	3/15/11	AIRBILL NUMBER:	8581 8251 2385
COC NUMBER:	N/A	SIGNATURE:	[signature]	DATE SIGNED:	3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	SAMPLED		CHECKED	
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3/15/11	BY: RP	DATE: 4/6/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGE		SAMPLE	
TIME: 1413	DATE: 3/15/11	TIME: 1448	DATE: 3/15/11
PURGE METHOD: ☒ PUMP Bladder / ☐ BAILER		PH: 6.96 SU	CONDUCTIVITY: 793 umhos/cm
		ORP: -134 mV	DO: 0.18 mg/L
DEPTH TO WATER: 3.10 T/ PVC		TURBIDITY: 9.17 NTU	
DEPTH TO BOTTOM: 27.88 T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 15.30 ☒ LITERS ☐ GALLONS		TEMPERATURE: 10.53 °C	OTHER:
VOLUME REMOVED: 14 ☒ LITERS ☐ GALLONS		COLOR: clear	ODOR: none
COLOR: Orange	ODOR: NO	FILTRATE (0.45 um) ☒ YES	☑ NO
71000 TURBIDITY		FILTRATE COLOR: Clr	FILTRATE ODOR: NO
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER		COMMENTS: Alk: 140 Co2: 16 Fe: >20	

1413	400	6.09	831	77	4.52	71000	9.49	3.10	INITIAL
1418		6.73	807	-82	1.36	116	10.28	3.10	2
1423		6.79	803	-109	0.77	49.4	10.40	3.10	4
1428	↓	6.91	797	-121	0.44	28.3	10.47	3.10	6
1433		~~6.98~~ 6.99	794	-125	0.36	20.7	10.44	3.10	8
1438		6.92	795	-129	0.25	18.8	10.47	3.10	10
1443		6.96	793	-131	0.21	19.7	10.56	3.10	12
1448		6.96	793	-134	0.18	9.17	10.53	3.10	14

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fedex	DATE SHIPPED:	3/15/11	AIRBILL NUMBER:	8587525 12325
COC NUMBER:	NA	SIGNATURE:	S Pawlik	DATE SIGNED:	3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3/15/11	BY: MP	DATE: 3/18/11

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1518	DATE: 3/15/11
PURGE METHOD: ☒ PUMP Bladder ☐ BAILER	
DEPTH TO WATER: 3.25 T/ PVC	
DEPTH TO BOTTOM: 18.20 T/ PVC	
WELL VOLUME: 9.54 ☒ LITERS ☐ GALLONS	
VOLUME REMOVED: 14 ☒ LITERS ☐ GALLONS	
COLOR: Cloudy, Blk. Flakies	ODOR: NO
125 TURBIDITY ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	

TIME: 1553	DATE: 3/15/11
PH: 6.94 SU	CONDUCTIVITY: 778 umhos/cm
ORP: -136 mV	DO: 0.11 mg/L
TURBIDITY: 9.8 NTU	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE: 9.26 °C	OTHER:
COLOR: clear	ODOR: none
FILTRATE (0.45 um) ☒ YES	☒ NO
FILTRATE COLOR: clr	FILTRATE ODOR: NO
QC SAMPLE: ☐ MS/MSD	☒ DUP- 02
COMMENTS: Alk: 70	CO_2: 30 Fe^{2+}: >20

1518	400	6.91	808	-90	4.20	125	9.00	3.25	INITIAL
1523	↓	6.99	795	-126	0.55	160	9.17	3.25	2
1528		6.93	789	-128	0.32	66.0	9.03	3.25	4
1533		6.93	788	-130	0.23	34.9	9.00	3.25	6
1538		6.92	784	-132	0.16	23.8	9.12	3.25	8
1543		6.95	781	-134	0.15	18.6	9.20	3.25	10
1548		6.95	779	-135	0.14	11.1	9.28	3.25	12
1553		6.94	778	-136	0.11	9.8	9.26	3.25	M

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	E	☐ Y ☒ N	4	1 L	AMBER	A	☐ Y ☒ N
4	40 mL	VOA	A	☐ Y ☒ N	2	125 mL	PLASTIC	B	☒ Y ☐ N
2	100 ml	PLASTIC	F	☐ Y ☒ N	2	1 L	plastic	A	☐ Y ☒ N
1	250 mL	GLASS	A	☐ Y ☒ N					☐ Y ☐ N
2	125 mL	PLASTIC	C	☐ Y ☒ N					☐ Y ☐ N

SHIPPING METHOD:	FedEx	DATE SHIPPED:	3/15/11	AIRBILL NUMBER:	8581325 17325
COC NUMBER:	NA	SIGNATURE:	[signature]	DATE SIGNED:	3/15/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-15-11	BY: RP	DATE: 4/8/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGE		SAMPLE	
TIME: 1653	DATE: 3-15-1	TIME: 0810	DATE: 3-16-11
PURGE METHOD: ☒ PUMP peristaltic ☐ BAILER		PH: 6.82 SU	CONDUCTIVITY: 568 umhos/cm
		ORP: 57.5 mV	DO: 2.21 mg/L
DEPTH TO WATER: 5.84 T/ PVC		TURBIDITY: NM NTU	
DEPTH TO BOTTOM: 13.12 T/ PVC		☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 4.49 ☒ LITERS ☐ GALLONS		TEMPERATURE: 8.52 °C	OTHER:
VOLUME REMOVED: 9.9 ☒ LITERS ☐ GALLONS		COLOR: lt Brn/clr	ODOR: no
COLOR: brown ODOR: no		FILTRATE (0.45 um) ☒ YES	☒ NO
TURBIDITY 263		FILTRATE COLOR: clr	FILTRATE ODOR: no
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER		COMMENTS: F_e - 0.1 ALK-150 CO_2 - 18	

1653	300	7.27	555	62.5	3.31	263	9.11	5.84	INITIAL
1658		7.24	535	65.9	2.14	143	8.61	8.75	1.5
1703		7.23	531	68.5	2.20	102	8.42	9.34	3.0
1708		7.22	531	69.9	2.61	95.0	8.40	9.94	4.5
1713		7.23	547	69.0	3.56	66.7	8.27	10.87	6.0
1718		7.15	567	69.0	2.97	55.2	8.34	11.52	7.5
1723		6.75	579	63.0	2.01	44.1	8.46	12.30	9.0
1726	↓	6.82	568	57.5	2.21	—	8.52	Dry	9.9
		Pumped dry at 1726 on 3-15-11							
		Sample at 0810 on 3-16-11							

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ PLST	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-16-11	AIRBILL NUMBER:	858152512814
COC NUMBER:	NA	SIGNATURE:	Scott Mudelle	DATE SIGNED:	3-15-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED BY:		CHECKED BY:	
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-16-11	BY: RP	DATE: 3/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 0945 DATE: 3-16-11	TIME: 1020 DATE: 3-16-11
PURGE METHOD: ☒ PUMP QED Port. Bladder ☐ BAILER	PH: 6.83 SU CONDUCTIVITY: 1521 umhos/cm
	ORP: 12.5 mV DO: 0.22 mg/L
DEPTH TO WATER: 5.88 T/ PVC	TURBIDITY: 12.0 NTU
DEPTH TO BOTTOM: 15.58 T/ PVC	☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY
WELL VOLUME: 6.0 ☒ LITERS ☐ GALLONS	TEMPERATURE: 9.10 °C OTHER:
VOLUME REMOVED: 14.0 ☒ LITERS ☐ GALLONS	COLOR: Lt Brn ODOR: no
COLOR: Brown ODOR: no	FILTRATE (0.45 um) ☒ YES ☑ NO
TURBIDITY 860	FILTRATE COLOR: clr FILTRATE ODOR: no
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	COMMENTS: Fe-16 ALK-180 CO_2-25

0945	400	6.49	1684	136.4	2.25	860	8.06	5.88	INITIAL
0950		6.64	1647	97.7	0.29	213	9.04	5.88	2.0
0955		6.74	1596	74.5	0.44	52.2	9.16	5.88	4.0
1000		6.78	1569	59.1	0.95	28.5	9.15	5.88	6.0
1005		6.81	1545	42.6	0.22	17.0	9.15	5.88	8.0
1010		6.82	1535	30.4	0.24	12.7	9.16	5.88	10.0
1015		6.82	1529	20.0	0.27	12.1	9.13	5.88	12.0
1020	↓	6.83	1521	12.5	0.22	12.0	9.10	5.88	14.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ HDPE	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-16-11	AIRBILL NUMBER:	858152572314
COC NUMBER:	NA	SIGNATURE:	Scott Mahuta	DATE SIGNED:	3-16-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter				
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3/16/11	BY: RP	DATE: 4/6/11

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 0944 DATE: 3/16/11	TIME: 1024 DATE: 3/16/11
PURGE METHOD: ☒ PUMP Blooper ☐ BAILER	PH: 6.72 SU CONDUCTIVITY: 2000 umhos/cm
DEPTH TO WATER: 6.15 T/ PVC	ORP: -32 mV DO: 0.22 mg/L
DEPTH TO BOTTOM: 15.62 T/ PVC	TURBIDITY: 7.85 NTU
WELL VOLUME: 5.85 ☒ LITERS ☐ GALLONS	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
VOLUME REMOVED: 16 ☒ LITERS ☐ GALLONS	TEMPERATURE: 9.63 °C OTHER:
COLOR: ORANGE ODOR: NO	COLOR: Clr ODOR: NO
513 TURBIDITY	FILTRATE (0.45 um) ☐ YES ☑ NO
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY	FILTRATE COLOR: FILTRATE ODOR:
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	QC SAMPLE: ☐ MS/MSD ☐ DUP-
	COMMENTS: 1/Kg 160 CO_2: 20 Fe^{+2}: 2

0944	400	6.49	1920	119	7.49	513	8.93	6.15	INITIAL
0949	↓	6.53	2040	70	0.82	95	9.35	6.20	2
0954	↓	6.46	2240	15	0.50	43	9.58	6.20	4
0959		6.55	2180	-17	0.37	56.7	9.24	6.20	6
1004		6.63	2171	-30	0.28	25.0	9.61	6.20	8
1009		6.68	2030	-33	0.23	14.7	9.60	6.20	10
1014		6.70	2030	-34	0.23	12.9	9.57	6.20	12
1019		6.71	2010	-33	0.22	9.32	9.65	6.20	14
1024		6.72	2000	-32	0.22	7.85	9.63	6.20	16

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fedex	DATE SHIPPED:	3/16/11	AIRBILL NUMBER:	858152512314
COC NUMBER:	NA	SIGNATURE:		DATE SIGNED:	3/16/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-16-11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☑ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1112	DATE: 3-16-11	TIME: 1142	DATE: 3-16-11
PURGE METHOD: ☒ PUMP QED Bladder ☐ BAILER		PH: 6.91 SU	CONDUCTIVITY: 993 umhos/cm
		ORP: 0.5 mV	DO: 2.56 mg/L
DEPTH TO WATER: 5.37 T/ PVC		TURBIDITY: 9.94 NTU	
DEPTH TO BOTTOM: 15.43 T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 6.21 ☐ LITERS ☐ GALLONS		TEMPERATURE: 6.99 °C	OTHER:
VOLUME REMOVED: 12.0 ☒ LITERS ☐ GALLONS		COLOR: clr	ODOR: no
COLOR: Brown	ODOR: no	FILTRATE (0.45 um) ☒ YES	☐ NO
TURBIDITY 2092		FILTRATE COLOR: clr	FILTRATE ODOR: no
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY		QC SAMPLE: ☒ MS/MSD	☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER		COMMENTS: Fe - 0.2 Alk - 120 CO_2 - 14	

1112	400	7.14	860	-31.2	4.84	2092	7.06	5.37	INITIAL
1117	↓	6.94	932	-19.7	2.86	401	6.98	5.37	2.0
1122		6.90	971	-11.8	2.44	50.4	6.91	5.38	4.0
1127		6.90	985	-7.4	2.51	20.5	6.90	5.38	6.0
1132		6.90	990	-4.3	2.54	14.9	6.92	5.38	8.0
1137		6.91	991	-1.6	2.45	12.2	6.95	5.38	10.0
1142	↓	6.91	993	0.5	2.56	9.94	6.99	5.38	12.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3 4	40 mL	VOA	E	☐ Y ☑ N	2 4	1 L	AMBER	A	☐ Y ☑ N
3 4	40 mL	VOA	A	☐ Y ☑ N	1 2	125 mL	PLASTIC	B	☑ Y ☐ N
1 2	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1 2	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1 2	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-16-11	AIRBILL NUMBER:	858 [illegible] 028144
COC NUMBER:	NA	SIGNATURE:	Scott Mustoll	DATE SIGNED:	3-16-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	[redacted]		[redacted]	
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-16-11	BY: RP	DATE: 4/19/11

[redacted]	WELL DIAMETER: ☑ 2"	☐ 4"	☐ 6"	☐ OTHER	
WELL MATERIAL:	☐ PVC	☐ SS	☐ IRON	☐ GALVANIZED STEEL	☐ OTHER
SAMPLE TYPE:	☑ GW	☐ WW	☐ SW	☐ DI ☐ LEACHATE	☐ OTHER

[redacted] TIME: 1256	DATE: 3-16-11	[redacted] TIME: 1256	DATE: 3-16-11
PURGE METHOD: ☒ PUMP QED Bladder ☐ BAILER		PH: 6.92 SU	CONDUCTIVITY: 944 umhos/cm
		ORP: 33.4 mV	DO: 3.41 mg/L
DEPTH TO WATER: 5.24 T/ PVC		TURBIDITY: 8.03 NTU	
DEPTH TO BOTTOM: 16.06 T/ PVC		☒ NONE ☐ SLIGHT	☐ MODERATE ☐ VERY
WELL VOLUME: 6.68 ☒ LITERS	☐ GALLONS	TEMPERATURE: 7.37 °C	OTHER:
VOLUME REMOVED: 10.0 ☒ LITERS	☐ GALLONS	COLOR: clr	ODOR: no
COLOR: Brown	ODOR: no	FILTRATE (0.45 um) ☑ YES	☑ NO
TURBIDITY 356		FILTRATE COLOR: clr	FILTRATE ODOR: no
☐ NONE ☐ SLIGHT ☒ MODERATE	☐ VERY	QC SAMPLE: ☐ MS/MSD	☒ DUP- 03
DISPOSAL METHOD: ☐ GROUND ☐ DRUM	☒ OTHER	COMMENTS: Fe-0.2 CO_2-15 Alk-190	

[redacted]									
1231	400	6.93	798	18.0	6.60	356	8.55	5.24	INITIAL
1236	↓	6.83	840	27.2	3.48	118	7.65	5.24	2.0
1241		6.87	911	32.7	3.47	39.1	7.30	5.24	4.0
1246		6.87	940	33.4	3.42	22.8	7.51	5.24	6.0
1251		6.91	946	33.0	3.51	11.8	7.46	5.24	8.0
1256		6.92	944	33.4	3.41	8.03	7.37	5.24	10.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

[redacted] PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ______

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
~~2~~ 4	40 mL	VOA	E	☐ Y ☑ N	~~2~~ 4	1 L	AMBER	A	☐ Y ☑ N
~~2~~ 4	40 mL	VOA	A	☐ Y ☑ N	~~4~~ 2	125 mL	PLASTIC	B	☑ Y ☐ N
~~1~~ 2	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
~~4~~ 2	250 mL	~~GLASS~~ PLS	A	☐ Y ☑ N					☐ Y ☐ N
~~4~~ 2	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-16-11	AIRBILL NUMBER:	858158512314
COC NUMBER:	NA	SIGNATURE:	[signature]	DATE SIGNED:	3-16-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/BF	DATE: 3/16/11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1118	DATE: 3/16/11	TIME: 1303	DATE:
PURGE METHOD: ☒ PUMP Blader ☐ BAILER		PH: 6.31 SU	CONDUCTIVITY: 734 umhos/cm
		ORP: 45 mV	DO: 1.44 mg/L
DEPTH TO WATER: 5.10 T/ PVC		TURBIDITY: 190 NTU	
DEPTH TO BOTTOM: 15.11 T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 6.18 ☒ LITERS ☐ GALLONS		TEMPERATURE: 9.21 °C	OTHER:
VOLUME REMOVED: 42 ☒ LITERS ☐ GALLONS		COLOR: clear	ODOR: none
COLOR: Cloudy	ODOR: No	FILTRATE (0.45 um) ☐ YES ☑ NO	
348 TURBIDITY		FILTRATE COLOR:	FILTRATE ODOR:
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER		COMMENTS: Alk.: 40 Cl2: 45 Fe: 10	

1118	4:00	6.60	627	2	6.05	348	8.87	5.10	INITIAL
1123	↓	5.98	618	35	1.53	115	8.34	5.20	2
1128	↓	5.94	598	49	1.52	21.4	7.87	5.20	4
1133		5.93	597	57	1.36	23.3	7.81	5.20	6
1138		5.92	597	62	1.32	27.2	7.83	5.20	8
1143		5.92	596	67	1.36	31.8	7.93	5.20	10
1148		5.92	595	71	1.35	43.6	8.04	5.70	12
1153		5.91	595	73	1.39	46.1	8.13	5.90	14
1158		5.94	599	76	1.51	48.2	8.32	6.15	16
1203		5.96	604	77	1.69	717	8.53		18

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	NA Fedex	DATE SHIPPED:	3/16/11	AIRBILL NUMBER:	858132512314
COC NUMBER:	NA	SIGNATURE:		DATE SIGNED:	3/16/11

REVISED 03/2008

RMT **WATER SAMPLE LOG** (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY: SM/SP	DATE: 3/16/11	BY: RP	DATE: 3/16/11

Top of Pump

1209	400	6.00	625	77	1.43	52.3	8.79	9.2	20
1213	↓	6.03	646	76	2.00	47.0	8.86	9.20	22
1218		6.12	665	72	1.86	60.2	8.98	9.20	24
1223		6.17	692	69	1.25	312	9.03	9.20	26
1228		6.19	693	65	1.31	329	9.12	9.20	28
1233		6.21	696	61	1.38	292	9.16	9.20	30
1238		6.21	708	60	1.38	234	9.17	9.20	32
1243		6.24	714	57	1.33	140	9.17	9.20	34
1248		6.29	721	53	1.75	67.3	9.23	9.20	36
1253		6.31	739	51	1.59	210	9.40	9.20	38
1258		6.30	739	49	1.45	215	9.29	9.20	40
1303		6.31	734	45	1.44	190	9.21	9.20	42

SIGNATURE: S Pawlicki DATE SIGNED: 3/16/11

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3/16/11	BY: RP	DATE: 4/8/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1339	DATE: 3-16-11
PURGE METHOD: ☒ PUMP QED Port. Bladder ☐ BAILER	
DEPTH TO WATER: 5.97 T/ PVC	
DEPTH TO BOTTOM: 16.07 T/ PVC	
WELL VOLUME: 6.73 ☒ LITERS ☐ GALLONS	
VOLUME REMOVED: 12.0 ☒ LITERS ☐ GALLONS	
COLOR: Tan ODOR: NO	
TURBIDITY 44.0 ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	

TIME: 1410	DATE: 3-16-11
PH: 6.66 SU	CONDUCTIVITY: 1018 umhos/cm
ORP: 55.1 mV	DO: 0.16 mg/L
TURBIDITY: 4.59 NTU	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE: 8.83 °C	OTHER:
COLOR: clr	ODOR: NO
FILTRATE (0.45 um) ☒ YES	☑ NO
FILTRATE COLOR: clr	FILTRATE ODOR: NO
QC SAMPLE: ☐ MS/MSD	☐ DUP-
COMMENTS: Fe-15 Alk-180 CO_2-30	

1339	400	6.44	852	130.2	3.84	44.0	8.84	5.97	INITIAL
1344		6.47	851	109.7	0.37	10.55	8.52	6.01	2.0
1349		6.54	942	95.3	0.25	16.5	8.64	6.01	4.0
1354		6.59	971	87.0	0.21	12.1	8.67	6.01	6.0
1359		6.63	1000	73.8	0.19	11.2	8.73	6.01	8.0
1404		6.65	1007	64.6	0.18	6.08	8.72	6.01	10.0
1410	↓	6.66	1018	55.1	0.16	4.59	8.83	6.01	12.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ PLST	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-16-11	AIRBILL NUMBER:	8881525 12814
COC NUMBER:	NA	SIGNATURE:	Scott Mahr	DATE SIGNED:	3-16-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-16-11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☒ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☒ DI ☐ LEACHATE ☐ OTHER

TIME:	TIME: 1428
DATE: 3-16-11	DATE: 3-16-11
PURGE METHOD: ☐ PUMP ☐ BAILER	PH: ____ SU CONDUCTIVITY: ____ umhos/cm
DEPTH TO WATER: ____ ft PVC	ORP: ____ mV DO: ____ mg/L
DEPTH TO BOTTOM: NA ft PVC	TURBIDITY: ____ NTU
WELL VOLUME: ____ ☐ LITERS ☐ GALLONS	☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY
VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS	TEMPERATURE: ____ °C OTHER: ____
COLOR: ____ ODOR: ____	COLOR: ____ ODOR: ____
TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	FILTRATE (0.45 um) ☐ YES ☑ NO
	FILTRATE COLOR: ____ FILTRATE ODOR: ____
	QC SAMPLE: ☐ MS/MSD ☐ DUP- ____
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER	COMMENTS:

									INITIAL

NA

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-16-11	AIRBILL NUMBER:	8581585128314
COC NUMBER:	NA	SIGNATURE:	Scott Muddle	DATE SIGNED:	3-16-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter				
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3-16-11	BY: AP	DATE: 4/9/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1524 DATE: 3-16-11	TIME: 1549 DATE: 3-16-11
PURGE METHOD: ☑ PUMP QED Bladder ☐ BAILER	PH: 7.19 SU CONDUCTIVITY: 620 umhos/cm
DEPTH TO WATER: 0.82 T/ PVC	ORP: -12.0 mV DO: 0.10 mg/L
DEPTH TO BOTTOM: 18.16 T/ PVC	TURBIDITY: 7.88 NTU
WELL VOLUME: 10.70 ☐ LITERS ☐ GALLONS	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
VOLUME REMOVED: 10.0 ☒ LITERS ☐ GALLONS	TEMPERATURE: 9.18 °C OTHER:
COLOR: Tan ODOR: no	COLOR: clr ODOR: no
TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	FILTRATE (0.45 um) ☒ YES ☐ NO
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	FILTRATE COLOR: clr FILTRATE ODOR: no
	QC SAMPLE: ☐ MS/MSD ☐ DUP-
	COMMENTS: Fe-15 Alk-140 CO_2-25

1524	400	7.00	633	40.6	0.90	58.9	10.05	0.82	INITIAL
1529		7.06	630	32.4	0.19	47.9	9.35	0.86	2.0
1534		7.08	626	22.8	0.15	24.6	9.27	0.86	4.0
1539		7.14	624	11.2	6.13	15.5	9.27	0.86	6.0
1544		7.11	622	-0.1	0.12	11.8	9.20	0.86	8.0
1549	↓	7.19	620	-12.0	0.10	7.88	9.18	0.86	10.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 3-16-11	AIRBILL NUMBER: 8581 8505 0284
COC NUMBER: NA	SIGNATURE: Scott Mulette	DATE SIGNED: 3-16-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3/16/11	BY: pl	DATE: 4/19/11

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

	TIME: 1430	DATE: 3/16/11	
PURGE METHOD:	☒ PUMP Mono Pump (Peristaltic) ☐ BAILER		
DEPTH TO WATER:	0.70 T/ PVC		
DEPTH TO BOTTOM:	T/ PVC		
WELL VOLUME:	☐ LITERS ☐ GALLONS		
VOLUME REMOVED:	☐ LITERS ☐ GALLONS		
COLOR:	orange, orange flakes	ODOR: NO	
TURBIDITY	>1000		
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY			
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☒ OTHER		

	TIME: 1600	DATE: 3/16/11	
PH:	5.98 SU	CONDUCTIVITY:	504 umhos/cm
ORP:	108 mV	DO:	0.25 mg/L
TURBIDITY:	8.71 NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			
TEMPERATURE:	11.90 °C	OTHER:	
COLOR:	clear	ODOR:	none
FILTRATE (0.45 um)	☐ YES	☑ NO	
FILTRATE COLOR:	CR	FILTRATE ODOR:	NO
QC SAMPLE:	☐ MS/MSD	☐ DUP-	
COMMENTS:	Alk: 100 CO_3 50 Fe: 2		

1430	400	7.51	743	47	5.53	>1000	10.45	0.70	INITIAL
1435	↓	5.70	494	81	0.95	324	11.81	0.75	2
1440		5.67	550	94	0.58	944	11.71	0.75	4
1445		5.61	557	102	0.46	172	11.57	0.75	6
1450		5.65	558	104	0.44	113	11.54	0.75	8
1455		5.66	562	105	0.42	79.3	11.79	0.75	10
1500		5.63	569	107	0.41	67.8	11.78	0.75	12
1505		5.64	573	107	0.36	48.0	11.66	0.75	14
1510		5.66	576	105	0.38	30.1	11.94	0.75	16
1515		5.67	580	105	0.36	25.0	11.88	0.75	18

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3/16/11	AIRBILL NUMBER:	858152512314
COC NUMBER:	NA	SIGNATURE:	S Pauley	DATE SIGNED:	3/16/11

REVISED 03/2008

RMT WATER SAMPLE LOG (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter	[redacted]			
PROJECT NUMBER:	01545.46.001	BY: SM/SP	DATE: 3/16/11	BY: RP	DATE: 4/19/11

[redacted]

1520	400	5.63	583	106	6.36	18.2	11.68	0.75	20
1525	↓	5.67	587	105	0.39	16.2	11.86	0.76	22
1530		5.62	588	106	0.37	23.9	11.76	0.75	24
1535		5.60	589	105	0.34	18.8	11.68	0.75	26
1540		5.59	588	105	0.36	18.7	11.69	0.75	28
1545		5.56	594	106	0.34	36.2	11.58	0.75	30
1550		5.52	588	106	0.27	28.5	11.69	0.75	32
1555		5.50	585	107	0.28	12.6	11.80	0.75	34
1600		5.48	584	108	0.25	8.71	11.90	0.75	36

SIGNATURE: S Rawlings DATE SIGNED: 3/16/11

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-16-11	BY: RR	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1609 DATE: 3-16-11	TIME: 1709 DATE: 3-16-11
PURGE METHOD: ☒ PUMP QED Bladder ☐ BAILER	PH: 7.17 SU CONDUCTIVITY: 599 umhos/cm
	ORP: -81.3 mV DO: 0.08 mg/L
DEPTH TO WATER: 1.12 T/ PVC	TURBIDITY: 9.71 NTU
DEPTH TO BOTTOM: 12.13 T/ PVC	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
WELL VOLUME: 6.8 ☐ LITERS ☐ GALLONS	TEMPERATURE: 7.80 °C OTHER:
VOLUME REMOVED: 24.0 ☒ LITERS ☐ GALLONS	COLOR: clr ODOR: no
COLOR: Black ODOR: no	FILTRATE (0.45 um) ☒ YES ☐ NO
TURBIDITY 26.9	FILTRATE COLOR: clr FILTRATE ODOR: no
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	COMMENTS: Fe-13 Alk-180 CO_2-30

1609	400	7.12	606	2.5	2.84	26.9	9.94	1.12	INITIAL
1614		7.17	602	-29.1	0.14	45.4	7.91	1.25	2.0
1619		7.15	600	-49.9	0.11	63.7	7.80	1.26	4.0
1624		7.16	601	-55.7	0.12	58.5	7.83	1.26	6.0
1629		7.18	601	-65.3	0.09	55.7	7.89	1.26	8.0
1634		7.19	601	-69.6	0.09	40.7	7.89	1.26	10.0
1639		7.18	600	-73.0	0.09	31.1	7.84	1.26	12.0
1644		7.18	598	-75.7	0.08	21.7	7.72	1.26	14.0
1649		7.17	597	-77.1	0.08	17.5	7.61	1.26	16.0
1654	↓	7.17	600	-78.2	0.09	16.7	7.80	1.26	18.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ plast	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-16-11	AIRBILL NUMBER:	858152512314
COC NUMBER:	NA	SIGNATURE:	Scott Mudd	DATE SIGNED:	3-16-11

REVISED 03/2008

RMT WATER SAMPLE LOG (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY: SM/SP	DATE: 3-16-11	BY: RP	DATE: 4/29/11

1659	400	7.17	598	-79.5	0.08	14.2	7.67	1.26	20.0
1704	↓	7.17	599	-80.4	0.08	13.1	7.78	1.26	22.0
1709	↓	7.17	598	-80.3	0.08	9.71	7.80	1.26	24.0

SIGNATURE: Scott Meidl DATE SIGNED: 3-16-11

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter				
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3-14-11	BY: RR	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1401 DATE: 3-14-11	TIME: 0745 DATE: 3-17-11
PURGE METHOD: ☒ PUMP Peristaltic ☐ BAILER	PH: 6.71 SU CONDUCTIVITY: 542 umhos/cm
	ORP: 15.3 mV DO: 0.73 mg/L
DEPTH TO WATER: 3.95 T/ PVC	TURBIDITY: 11.4 NTU
DEPTH TO BOTTOM: NM T/ PVC	☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY
WELL VOLUME: NA ☑ LITERS ☐ GALLONS	TEMPERATURE: 5.71 °C OTHER:
VOLUME REMOVED: 8.0 ☒ LITERS ☐ GALLONS	COLOR: clr w/ tan floaters ODOR: yes
COLOR: Clear ODOR: yes	FILTRATE (0.45 um) ☒ YES ☐ NO
TURBIDITY 4.28	FILTRATE COLOR: clr FILTRATE ODOR: yes
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	COMMENTS: Fe +2 0.41K - 160 CO_2 - 25

1401	400	6.38	626	107.1	1.99	4.28	5.80	3.95	INITIAL
1406		6.50	517	70.3	0.30	3.56	5.74	5.81	2.0
1411		6.62	506	52.1	0.39	6.01	5.65	7.01	4.0
1416		6.66	513	40.7	0.30	8.54	5.61	7.92	6.0
1421	↓	6.71	542	15.3	0.73	11.4	5.71	Dry	8.0
					slight	sheen in purge bucket			
	Pump ddry at 1421 on 3-14-11								
	Sampled at 0745 on 3-17-11								

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ PLST	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-17-11	AIRBILL NUMBER:	8385252122 98
COC NUMBER:	NA	SIGNATURE:	Scott Mudd	DATE SIGNED:	3-14-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter				
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3-14-11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1433	DATE: 3-14-11
PURGE METHOD: ☒ PUMP Peristaltic ☐ BAILER	
DEPTH TO WATER: 4.79 T/ PVC	
DEPTH TO BOTTOM: NM T/ PVC	
WELL VOLUME: NA ☐ LITERS ☐ GALLONS	
VOLUME REMOVED: 10.8 ☒ LITERS ☐ GALLONS	
COLOR: Tan floaters ODOR: yes	
TURBIDITY 19.8 ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	

TIME: 0850	DATE: 3-17-11
PH: 6.64 SU	CONDUCTIVITY: 522 umhos/cm
ORP: 13.2 mV	DO: 0.86 mg/L
TURBIDITY: 4.87 NTU	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE: 5.43 °C	OTHER:
COLOR: clr	ODOR: no
FILTRATE (0.45 um) ☒ YES	☐ NO
FILTRATE COLOR: clr	FILTRATE ODOR: no
QC SAMPLE: ☐ MS/MSD	☐ DUP-
COMMENTS: Fe-0.1 ALK-160 CO_2-16	

1433	400	6.53	554	-10.7	0.84	19.8	5.45	4.75	INITIAL
1438		6.56	536	14.2	0.67	13.3	5.37	5.65	2.0
1443		6.91	331	26.3	2.00	10.43	5.33	6.25	4.0
1448		6.77	388	29.1	1.09	7.16	5.28	7.20	6.0
1453		6.61	479	25.1	0.92	11.1	5.29	8.05	8.0
1458		6.62	532	17.0	0.79	6.74	5.39	9.35	10.0
1500	↓	6.64	522	13.2	0.86	4.87	5.43	Dry	10.8
		Pumped dry at 1500 on 3-14-11							
		sampled at 0850 on 3-17-11							

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 ml	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 ml	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED: 3-17-11	AIRBILL NUMBER: 8588 5825 12299
COC NUMBER:	NA	SIGNATURE:	DATE SIGNED: 3-14-11

REVISED 03/2007

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3-14-11	BY: RP	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1525 DATE: 3-14-11	TIME: 0820 DATE: 3-17-11
PURGE METHOD: ☒ PUMP Peristaltic ☐ BAILER	PH: 6.92 SU CONDUCTIVITY: 734 umhos/cm
	ORP: 8.6 mV DO: 0.45 mg/L
DEPTH TO WATER: 4.86 T/ PVC	TURBIDITY: 8.40 NTU
DEPTH TO BOTTOM: NM T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
WELL VOLUME: NA ☐ LITERS ☐ GALLONS	TEMPERATURE: 5.30 °C OTHER:
VOLUME REMOVED: 6.0 ☒ LITERS ☐ GALLONS	COLOR: clear ODOR: slo
COLOR: dark floaters ODOR: slo	FILTRATE (0.45 um) ☒ YES ☐ NO.
TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	FILTRATE COLOR: clr FILTRATE ODOR: slo
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	QC SAMPLE: ☐ MS/MSD ☐ DUP-
	COMMENTS: Fe>20 Alk-250 CO_2-35

1525	400	6.84	723	16.4	0.52	14.9	5.52	4.86	INITIAL
1530	↓	6.86	723	15.7	0.44	14.1	5.36	6.26	2.0
1535		6.87	728	14.2	0.68	11.6	5.33	7.42	4.0
1540	↓	6.92	734	8.6	0.45	8.40	5.30	dry	6.0
			pumped dry at 1540 on 3-14-11						
			Sampled at 0820 on 3-17-11						
		Small amount of product on interface probe, not measurable							

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ PLST	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:	3-17-11	AIRBILL NUMBER:	8585265122994
COC NUMBER:	NA	SIGNATURE:	Scott Mitchell	DATE SIGNED:	3-14-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3-14-11	BY: RP	DATE: 4/9/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

TIME: 1551	DATE: 3-14-11
PURGE METHOD: ☑ PUMP Peristaltic ☐ BAILER	
DEPTH TO WATER: 4.65 T/ PVC	
DEPTH TO BOTTOM: NM T/ PVC	
WELL VOLUME: NA ☐ LITERS ☐ GALLONS	
VOLUME REMOVED: 8.0 ☒ LITERS ☐ GALLONS	
COLOR: clear ODOR: yes	
TURBIDITY 8.95	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER	

TIME: 0925	DATE: 3-17-11
PH: 9.48 SU	CONDUCTIVITY: 497 umhos/cm
ORP: 32.0 mV	DO: 0.37 mg/L
TURBIDITY: 2.77 NTU	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE: 5.37 °C	OTHER:
COLOR: clr	ODOR: yes
FILTRATE (0.45 um) ☒ YES	☐ NO
FILTRATE COLOR: clear	FILTRATE ODOR: yes
QC SAMPLE: ☐ MS/MSD	☐ DUP-
COMMENTS: Fe-7 Alk-90 CO_2-0	

1551	400	10.17	522	-2.3	0.52	8.95	5.53	4.65	INITIAL
1556		10.27	485	5.0	0.36	7.25	5.48	5.91	2.0
1601		9.52	481	28.2	0.76	4.58	5.45	6.51	4.0
1606		9.47	500	37.5	0.73	3.36	5.40	7.56	6.0
1611	↓	9.48	497	32.0	0.37	2.77	5.37	7.72	8.0
		Parameters stabilized at 1611 on 3-14-11, 1st well recharge before sampling							
		Sample at 0925 on 3-17-11							

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ PLST	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	FedEx	DATE SHIPPED:	3-17-11	AIRBILL NUMBER:	8558 8828 172299
COC NUMBER:	NA	SIGNATURE:	[signature]	DATE SIGNED:	3-14-11

REVISED 03/2008

RMT

WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	[illegible]			
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3-14-11	BY: [illegible]	DATE: 4/19/11

[illegible] WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

[illegible] TIME: 1624	DATE: 3-14-11	[illegible] TIME: 0955	DATE: 3-17-11
PURGE METHOD: ☒ PUMP Peristaltic ☐ BAILER		PH: 7.04 SU	CONDUCTIVITY: 609 umhos/cm
		ORP: 13.8 mV	DO: 1.01 mg/L
DEPTH TO WATER: 5.11 T/ PVC		TURBIDITY: 28.1 NTU	
DEPTH TO BOTTOM: NM T/ PVC		☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: NA ☐ LITERS ☐ GALLONS		TEMPERATURE: 5.28 °C	OTHER:
VOLUME REMOVED: 4.0 ☒ LITERS ☐ GALLONS		COLOR: Lt orange	ODOR:
COLOR: orange	ODOR: yes	FILTRATE (0.45 um) ☒ YES	■ NO
TURBIDITY 68.1		FILTRATE COLOR: clr	FILTRATE ODOR: ~~[illegible]~~ yes
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER		COMMENTS: Fe-9 Alk-225 CO_2-35	

1624	400	7.27	612	17.4	0.36	68.1	5.21	5.11	INITIAL
1629	↓	7.09	614	17.2	0.55	35.4	5.04	8.10	2.0
1634	↓	7.04	609	13.8	1.01	28.1	5.28	Dry	4.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

[illegible] PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ______

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	~~GLASS~~ Plast	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3-17-11	AIRBILL NUMBER: 858 [illegible]
COC NUMBER: NA	SIGNATURE: Scott [illegible]	DATE SIGNED: 3-14-11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter				
PROJECT NUMBER:	01545.46.001	BY SM/SP	DATE: 3/17/11	BY: RP	DATE: 3/18/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☒ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

SAMPLE TYPE: ☑ ~~GW~~ ☐ WW ☐ SW ☒ DI ☐ LEACHATE ☐ OTHER

	TIME:	DATE:	
PURGE METHOD:	☐ PUMP _____ ☐ BAILER _____		
DEPTH TO WATER:	_____ T/ PVC		
DEPTH TO BOTTOM:	_____ T/ PVC		
WELL VOLUME:	_____ ☐ LITERS ☐ GALLONS		
VOLUME REMOVED:	_____ ☐ LITERS ☐ GALLONS		
COLOR:	_____ ODOR: _____		
TURBIDITY	☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☐ OTHER		

	TIME: 0930	DATE: 3/17/11	
PH:	_____ SU	CONDUCTIVITY:	_____ umhos/cm
ORP:	_____ mV	DO:	_____ mg/L
TURBIDITY:	_____ NTU		
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			
TEMPERATURE:	_____ °C	OTHER:	_____
COLOR:	_____	ODOR:	_____
FILTRATE (0.45 um)	☐ YES ☑ NO		
FILTRATE COLOR:	_____	FILTRATE ODOR:	_____
QC SAMPLE: ☐ MS/MSD	☐ DUP- _____		
COMMENTS:			

										INITIAL
	Rinse Blank ~ Surface Water Sample.									

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

PRESERVATIVE CODES A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~1~~	~~125 ml~~	~~PLASTIC~~	~~B~~	☑ Y ☐ N
~~1~~	~~100 ml~~	~~PLASTIC~~	~~F~~	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~GLASS~~	~~A~~	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD:	Fedex	DATE SHIPPED:	3/17/11	AIRBILL NUMBER:	8588525 12299
COC NUMBER:	NA	SIGNATURE:	[signature]	DATE SIGNED:	3/18/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter				
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3/17/11	BY: KL	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☒ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER N

SAMPLE TYPE: ~~☑ GW~~ ☐ WW ☐ SW ☒ DI ☐ LEACHATE ☐ OTHER

PURGE	TIME:	DATE:	SAMPLED	TIME: 0940	DATE: 3/17/11

PURGE METHOD: ☐ PUMP ☐ BAILER

DEPTH TO WATER: ____ T/ PVC

DEPTH TO BOTTOM: ____ T/ PVC

WELL VOLUME: ____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS

COLOR: ____ ODOR: ____

TURBIDITY ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER

PH: ____ SU CONDUCTIVITY: ____ umhos/cm

ORP: ____ mV DO: ____ mg/L

TURBIDITY: ____ NTU ☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY

TEMPERATURE: ____ °C OTHER: ____

COLOR: Clr ODOR: NO

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: — FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☐ DUP- ____

COMMENTS:

									INITIAL
Rinse Blank w RMT Bladder Pump # 109441									

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fedex	DATE SHIPPED: 3/19/11	AIRBILL NUMBER: 858192812299
COC NUMBER: NA	SIGNATURE: S Pawlus	DATE SIGNED: 3/19/11

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter				
PROJECT NUMBER: 01545.46.001	BY SM/SP	DATE: 3/17/11	BY: [illegible]	DATE: 4/19/11

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☒ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

SAMPLE TYPE: ☑ ~~GW~~ ☐ WW ☐ SW ☒ DI ☐ LEACHATE ☐ OTHER

	TIME:	DATE:		TIME: 0950	DATE: 3/17/11
PURGE METHOD:	☐ PUMP		PH: ____ SU	CONDUCTIVITY: ____ umhos/cm	
	☐ BAILER		ORP: ____ mV	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM: ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____ ☐ LITERS ☐ GALLONS			TEMPERATURE: ____ °C	OTHER: ____	
VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS			COLOR: Clr	ODOR: ____	
COLOR: ____ ODOR: ____			FILTRATE (0.45 um) ☐ YES	☑ NO	
TURBIDITY			FILTRATE COLOR: ____	FILTRATE ODOR: ____	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP- ____	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

										INITIAL
Rinse Blank ~ Rent Bladder Pump										
#s 11654										

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	A	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	1	125 mL	PLASTIC	B	☑ Y ☐ N
1	100 ml	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	GLASS	A	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	PLASTIC	C	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/17/11	AIRBILL NUMBER: 8885 5281 2299
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 3/17/11

REVISED 03/2008

CHAIN-OF-CUSTODY RECORD

TRACE ID NO.

TRACE the science of compliance
phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537
Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

Page _____ of _____

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, INC

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415 Fax:

Email Address:

Project #: 01545.46.0021 PO #: Trace Quote #:

Project Name: LEC Sampled by: SM/SP

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☐	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Bill To:

Billing Address (if different)

City, State, Zip Code

Attn: Phone: Fax:

Request for Analytical Services

ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP	REMARKS	Possible Health Hazard
	3-14-11	1425		DRC-02	SW	4	X	X		
	3-14-11	1435		SW-D-5	SW	4	X	X		
	3-14-11	1605		SW-R-1	SW	4	X	X		
	3-14-11	1615		SW-R-2	SW	4	X	X		
	3-14-11	1625		SW-R-3	SW	4	X	X		
	3-14-11	1635		SW-R-4	SW	4	X	X		
	3-14-11	1653		SW-D-4	SW	4	X	X		
	3-14-11	1730		SW-R-6	SW	4	X	X		
	3-14-11	1745		SW-D-3	SW	4	X	X		
	3-14-11	—		Dup-01	SW	4	X	X		

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
	1)	Fed Ex	3-15-11	1900		3)			
	2)					4)			

By executing this agreement, the client acknowledges acceptance of the terms of this agreement as listed on the reverse side.

Page 2 of 2

CHAIN-OF-CUSTODY RECORD

TRACE
the science of compliance

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Labo[illegible]es, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

Page _____ of _____

TRACE ID NO.

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415 Fax:

Email Address:

Project #: 01545,46.001 PO #: Trace Quote #:

Project Name: LEC Sampled by: SM/SP

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☐	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Bill To:

Billing Address (if different) _____

City, State, Zip Code _____

Attn: _____ Phone: _____ Fax: _____

Request for Analytical Services

ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DRO	CHL HRC	NO3/SO4/TSS/TDS	ALK/P	Diss Pb	REMARKS	Possible Health Hazard
	SW-D-2	1800		SW-D-2	SW	4	X	X						
	SW-D-1	1810		SW-D-1										
		~~0911~~		~~[illegible]~~										
	3-15-11	—		Dup-02	GW	11	X	X	X	X	X	X	X			

19

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
	1) [signature]	Fed Ex	3-15-11	1900		3)			
	2)					4)			

[1]In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

CHAIN-OF-CUSTODY RECORD

TRACE — *the science of compliance*

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

TRACE ID NO.

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, Inc
Contact Person: Scott Pawlukiewicz
Mailing Address: 2025 E Beltline Ave
City, State, Zip Code: Grand Rapids, MI
Phone: 616-975-5415 Fax:
Email Address: scott.pawlukiewicz@rmtinc.com
Project #: 01545.46.001 PO #: Trace Quote #:
Project Name: LEC Sampled by: SP/SM

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☑	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Bill To:

Billing Address (if different):
City, State, Zip Code: Madison, WI
Attn: Phone: Fax:

Request for Analytical Services — ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP	CHU	HPC	NO3/SO4/TSS/TDS	NH3/P	Diss Pb	1,3 butadiene (8015b)	1,3 butadiene (8260)	REMARKS	Possible Health Hazard
	3/16/11	1700	y	MW-30S	w	10	2	2	2	1	1	1	1				
	3/16/11	—	y	DUP-03	w	10	2	2	2	1	1	1	1				
	3/3/11	—	—	TB-02	w	1	1	—	—	—	—	—	—				

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
1)	[signature]	[signature]	3/16/11	1830	3)				
2)					4)				

In executing this agreement, the client acknowledges acceptance of the terms of this agreement as listed on the reverse side.

29/2996 / 2996

CHAIN-OF-CUSTODY RECORD

TRACE ID NO.

Page 1 of 1

TRACE the science of compliance
phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537
Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

Report Results To:

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave SE

City, State, Zip Code: Grand Rapids, MI 49546

Phone: 616-975-5415 Fax:

Email Address: scott.pawlukiewicz

Cell #: Sampled by: SM/SP

Project Name & #: LEC - 01545.46.001

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard	☐	S = Soil	WI = Wipes
Drinking Water	☐	3-4 Day (RUSH)*	☐	W = Water	LW = Liquid Waste
NPDES	☐	24-48 Hour (RUSH)*	☐	SE = Sediment	A = Air
USACE	☐	* Requires prior approval		OI = Oil	D = Drinking Water
Special	☐			SO = Solid Waste	SL = Sludge

Bill To:

Billing Address (if different)

City, State, Zip Code

Attn: Phone: PO #:

Request for Analytical Services

ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP	CHM	HPC	NO3/SO4/TSS/TDS	NH3/TP	6455 Pb	Total Pb			REMARKS	Possible Health Hazard
	3-17-11	0745	X	MW-35S	GW	10	X	X	X	X	X	X	X					
	3-17-11	0850	X	MW-34S	GW	10	X	X	X	X	X	X	X					
	3-17-11	0820	X	MW-32S	GW	10	X	X	X	X	X	X	X					
	3-17-11	0925	X	MW-31S	GW	10	X	X	X	X	X	X	X					
	3-17-11	0955	X	MW-33S	GW	10	X	X	X	X	X	X	X					
	3-17-11	0930		RB-01	DI	4	X	X	X	X	X	X	X					
	3-17-11	0940		RB-02	DI	10	X	X	X	X	X	X		X				
	3-17-11	0950		RB-03	DI	10	X	X	X	X	X	X		X				
	3-3-11			TB-03	DI	1	X											

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
	1) Scott Pawlukiewicz	Fed Ex	3-17-11	1630		3)			
	2)					4)			

CHAIN-OF-CUSTODY RECORD

TRACE *the science of compliance*

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

Page ______ of ______

TRACE ID NO.

TRACE USE ONLY
Logged By: Checked By:
Received on ice: Yes No Preservative Checked: Yes No N/A
Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, Inc
Contact Person: Scott Pawlukiewicz
Mailing Address: 2025 E Beltline Ave SE
City, State, Zip Code: Grand Rapids, MI
Phone: 616-975-5415 Fax:
Email Address: scott.pawlukiewicz
Project #: 01545.46.001 PO #: Trace Quote #:
Project Name: LEC Sampled by: SM/SP

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☐	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Bill To:

Billing Address (if different) ______
City, State, Zip Code ______
Attn: ______ Phone: ______ Fax: ______

Request for Analytical Services — ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP	CH4	HPC	NO3/SO4/TSS/TDS	NH3/P	Diss Pb		1,3-butadiene (8015B)	1,3-butadiene (8260)	REMARKS	Possible Health Hazard
	3-15-11	0940	X	MW-19-12	GW	10	✓	✓	✓	✓	✓	✓			✓	✓		
	3-15-11	1046	X	MW-19-8	GW	10	X	X	X	X	X	X	X		X	X		
	3-15-11	1152	X	MW-19-17	GW	10	X	X	X	X	X	X	X		X	X		
	3-15-11	1321	X	MW-19-15	GW	10	X	X	X	X	X	X	X		X	X		
	3-15-11	1533	X	MW-19-16	GW	10	X	X	X	X	X	X	X		X	X		
	3-16-11	0924	X	MW-29S	GW	10	X	X	X	X	X	X	X					
	3-15-11	1144	X	MW-25(R)	GW	10	X	X	X	X	X	X	X					
	3-15-11	1310	X	MW-8	GW	10	X	X	X	X	X	X	X					
	3-15-11	1448	X	MW-28i	GW	10	X	X	X	X	X	X	X					
	3-15-11	1553		MW-28S	GW	10	X	X	X	X	X	X	X					

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
1)	[signature]	Fed EX	3-15-11	1900	3)				
2)					4)				

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

CHAIN-OF-CUSTODY RECORD

TR[redacted]CE
the science of compliance

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Labor[redacted], Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

TRACE ID NO. [redacted]

TRACE USE ONLY
Logged By: Checked By:
Received on ice: Yes No Preservative Checked: Yes No N/A
Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, Inc
Contact Person: Scott Paulukiewicz
Mailing Address: 2025 E Beltline Ave
City, State, Zip Code: Grand Rapids, MI
Phone: 616-975-5415 Fax:
Email Address:
Project #: 01515.46.001 PO #: Trace Quote #:
Project Name: LEC Sampled by: SM/SP

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☑	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Bill To:

Billing Address (if different)
City, State, Zip Code Madison, WI
Attn: Phone: Fax:

Request for Analytical Services — ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP	CH4	HPC	NO3/SO4/TSS/TDS	NH3/P	Diss Pb		13-Butadiene (8015)	13-Butanone (8260)	REMARKS	Possible Health Hazard
	3/16/11	0810	y	MW-27s	W	10	2	2	2	1	1	1	1		x	x		
	3/16/11	1020	y	MW-19-7R	W	10	2	2	2	1	1	1	1		x	✓		
	3/16/11	1024	y	MW-19-6R	W	10	2	2	2	1	1	1	1		x	x		
	3/16/11	1112	y	MW-19R	W	20	4	4	4	2	2	2	2		x	x		
	3/16/11	1256	y	MW-19-14	W	10	2	2	2	2	1	1	1		✓	✓		
	3/16/11	1303	y	MW-19-13	W	10	2	2	2	2	1	1	1		✓	x		
	3/16/11	1410	y	MW-19-5R	W	10	2	2	2	2	1	1	1		x	x		
	3/16/11	1428	N	~~M~~ ATM-01	W	10	2	2	2	2	1	1	(1)				→ Tot Pb	
	3/16/11	1519	y	MW-30I	W	10	2	2	2	2	1	1	1					
	3/16/11	1600	y	~~MW-30S~~ MW-30D	W	10	2	2	2	2	1	1	1					

6/9 6/9

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
1)	[signature]	FedEx	3/16/11	1830	3)				
2)					4)				

Appendix B
1st Quarter 2011 Laboratory Analytical Reports

TRACE
the science of compliance

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
info@trace-labs.com
www.trace-labs.com

March 25, 2011

Mr. Barry Culp
RMT, Inc.
30 Patewood Dr.
Greenville, SC 29680

Phone: (864) 234-9350
Fax: (864) 281-0288

RE: Trace Project T11C162
Client Project LEC / 01545.46.001

Dear Mr. Culp:

Enclosed are your analytical results. The results of this report relate only to the samples listed in the body of this report.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work, however, some results may have raised reporting limits to correct for percent solids.

For clients that require NELAC Accreditation, Trace certifies that these test results meet all requirements of the NELAC Standard, except for those analytes with a "N" notation. These analytes have not been evaluated by NELAC at Trace's discretion and will not be reported unless requested by client.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink
Project Manager

Enclosures

ACCREDITED IN ACCORDANCE WITH nelac

NJDEP Accreditation No. MI008 PADEP Accreditation No. 68-04471

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SAMPLE SUMMARY

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T11C162-01	DRC-02	Surface Water	sm/sp	03/14/11 14:25	03/16/11 10:17
T11C162-02	SW-D-5	Surface Water	sm/sp	03/14/11 14:35	03/16/11 10:17
T11C162-03	SW-R-1	Surface Water	sm/sp	03/14/11 16:05	03/16/11 10:17
T11C162-04	SW-R-2	Surface Water	sm/sp	03/14/11 16:15	03/16/11 10:17
T11C162-05	SW-R-3	Surface Water	sm/sp	03/14/11 16:25	03/16/11 10:17
T11C162-06	SW-R-4	Surface Water	sm/sp	03/14/11 16:35	03/16/11 10:17
T11C162-07	SW-D-4	Surface Water	sm/sp	03/14/11 16:55	03/16/11 10:17
T11C162-08	SW-R-6	Surface Water	sm/sp	03/14/11 17:30	03/16/11 10:17
T11C162-09	SW-D-3	Surface Water	sm/sp	03/14/11 17:45	03/16/11 10:17
T11C162-10	Dup-01	Surface Water	sm/sp	03/14/11	03/16/11 10:17
T11C162-11	MW-19-12	Ground Water	sm/sp	03/15/11 09:40	03/16/11 10:17
T11C162-12	MW-19-8	Ground Water	sm/sp	03/15/11 10:46	03/16/11 10:17
T11C162-13	MW-19-17	Ground Water	sm/sp	03/15/11 11:52	03/16/11 10:17
T11C162-14	MW-19-15	Ground Water	sm/sp	03/15/11 13:21	03/16/11 10:17
T11C162-15	MW-19-16	Ground Water	sm/sp	03/15/11 15:33	03/16/11 10:17
T11C162-16	MW-29s	Ground Water	sm/sp	03/15/11 09:24	03/16/11 10:17
T11C162-17	MW-25(R)	Ground Water	sm/sp	03/15/11 11:44	03/16/11 10:17
T11C162-18	MW-8	Ground Water	sm/sp	03/15/11 13:10	03/16/11 10:17
T11C162-19	MW-28i	Ground Water	sm/sp	03/15/11 14:48	03/16/11 10:17
T11C162-20	MW-28s	Ground Water	sm/sp	03/15/11 15:53	03/16/11 10:17
T11C162-21	SW-D-2	Surface Water	sm/sp	03/15/11 18:00	03/16/11 10:17
T11C162-22	SW-D-1	Surface Water	sm/sp	03/15/11 18:10	03/16/11 10:17
T11C162-23	Dup-02	Ground Water	sm/sp	03/15/11	03/16/11 10:17
T11C162-24	Trip Blank	Surface Water	sm/sp	03/15/11	03/16/11 10:17
T11C162-25	MW-27s	Ground Water	sm/sp	03/16/11 08:10	03/17/11 10:47
T11C162-26	MW-19-7R	Ground Water	sm/sp	03/16/11 10:20	03/17/11 10:47
T11C162-27	MW-19-6R	Ground Water	sm/sp	03/16/11 10:24	03/17/11 10:47
T11C162-28	MW-19R	Ground Water	sm/sp	03/16/11 11:42	03/17/11 10:47
T11C162-29	MW-19-14	Ground Water	sm/sp	03/16/11 12:56	03/17/11 10:47
T11C162-30	MW-19-13	Ground Water	sm/sp	03/16/11 13:03	03/17/11 10:47
T11C162-31	MW-19-5R	Ground Water	sm/sp	03/16/11 14:10	03/17/11 10:47
T11C162-32	ATM-01	Ground Water	sm/sp	03/16/11 14:28	03/16/11 10:17
T11C162-33	MW-30I	Ground Water	sm/sp	03/16/11 15:49	03/17/11 10:47
T11C162-34	MW-30D	Ground Water	sm/sp	03/16/11 16:00	03/17/11 10:47
T11C162-35	MW-30S	Ground Water	sm/sp	03/16/11 17:09	03/17/11 10:45
T11C162-36	Dup-03	Ground Water	sm/sp	03/16/11	03/17/11 10:45
T11C162-37	TB-02	Ground Water	sm/sp	03/03/11	03/17/11 10:45

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T11C162-38	MW-35S	Ground Water	sp	03/17/11 07:45	03/18/11 10:14
T11C162-39	MW-34S	Ground Water	sp	03/17/11 08:50	03/18/11 10:14
T11C162-40	MW-32S	Ground Water	sp	03/17/11 08:20	03/18/11 10:14
T11C162-41	MW-31S	Ground Water	sp	03/17/11 09:25	03/18/11 10:14
T11C162-42	MW-33S	Ground Water	sp	03/17/11 09:55	03/18/11 10:14
T11C162-43	RB-01	Ground Water	sp	03/17/11 09:30	03/18/11 10:14
T11C162-44	RB-02	Ground Water	sp	03/17/11 09:40	03/18/11 10:14
T11C162-45	RB-03	Ground Water	sp	03/17/11 09:50	03/18/11 10:14
T11C162-46	TB-03	Ground Water	sp	03/03/11	03/18/11 10:14

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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
RPD	Relative Percent Difference
DUP	Matrix Duplicate
RDL	Reporting Detection Limit
MCL	Maximum Contamination Limit
TIC	Tentatively Identified Compound
<, ND or U	Indicates the compound was analyzed for but not detected
*	Indicates a result that exceeds its associated MCL or Surrogate control limits
N	Indicates that the compound has not been evaluated by NELAC
NA	Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T021919-MSD1

Analysis: EPA 300.0 Rev. 2.1

Sulfate as SO4	Note 222 : The MS and MSD recoveries were out of control. Because the sample background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Trace ID: T021934-MSD1

Analysis: EPA 8270C

Di-n-butyl phthalate	Note 207 : The RPD between the MS and the MSD was out of control. Because both spike recoveries were in control, no data require qualification.

Trace ID: T022028-MS1

Analysis: EPA 8260B

Toluene	Note 231 : The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary.
Toluene	Note 231 : The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary.

Trace ID: T022028-MSD1

Analysis: EPA 8260B

Toluene	Note 231 : The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary.
Toluene	Note 231 : The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary.

Trace ID: T11C162-11

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

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Trace ID: T11C162-12

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-13

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-14

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-15

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-16

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-17

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-18

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-19

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-20

Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-23

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Analysis: SM9215B

Heterotrophic Plate Count	Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

Trace ID: T11C162-36

Analysis: SM9215B

Heterotrophic Plate Count	Note 900b : The sample does not have the sampling time recorded. Hence the sample may have been set up past hold and may need to be considered an estimate.

Trace ID: T11C162-38

Analysis: EPA 8270C

2-Fluorobiphenyl	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Nitrobenzene-d5	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Terphenyl-d14	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Trace ID: T11C162-39

Analysis: SM9215B

Heterotrophic Plate Count	Note 900a : The growth of spreaders exceeded 50% of the plate area, thus preventing an accurate counting of the colonies. The results should be considered estimated.

Trace ID: T11C162-40

Analysis: EPA 8270C

2-Fluorobiphenyl	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Nitrobenzene-d5	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Terphenyl-d14	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Analysis: SM9215B

Heterotrophic Plate Count	Note 900a : The growth of spreaders exceeded 50% of the plate area, thus preventing an accurate counting of the colonies. The results should be considered estimated.

Trace ID: T11C162-41

Analysis: EPA 8270C

2-Fluorobiphenyl	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Nitrobenzene-d5	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Terphenyl-d14	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Trace ID: T11C162-42

Analysis: EPA 8270C

2-Fluorobiphenyl	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

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Nitrobenzene-d5	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Terphenyl-d14	Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-01 Date Collected: 03/14/11 14:25 Matrix: Surface Water
Sample ID: DRC-02 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021923										
Benzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:										
1,2-Dichloroethane-d4	116	%	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	100	%	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	66	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	69	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	86	%	37-109	1	03/17/11	kb	03/18/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-02 Date Collected: 03/14/11 14:35 Matrix: Surface Water
Sample ID: SW-D-5 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021923										
Benzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:										
1,2-Dichloroethane-d4	120	%	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	99	%	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	45	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	56	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	60	%	37-109	1	03/17/11	kb	03/18/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-03 Date Collected: 03/14/11 16:05 Matrix: Surface Water
Sample ID: SW-R-1 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021923										
Benzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:										
1,2-Dichloroethane-d4	117	%	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	101	%	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	55	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	60	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	79	%	37-109	1	03/17/11	kb	03/18/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-04 Date Collected: 03/14/11 16:15 Matrix: Surface Water
Sample ID: SW-R-2 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021923										
Benzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:										
1,2-Dichloroethane-d4	118	%	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	100	%	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	70	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	77	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	88	%	37-109	1	03/17/11	kb	03/18/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-05 Date Collected: 03/14/11 16:25 Matrix: Surface Water
Sample ID: SW-R-3 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021923										
Benzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:										
1,2-Dichloroethane-d4	121	%	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	100	%	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	63	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	68	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	80	%	37-109	1	03/17/11	kb	03/18/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-06 Date Collected: 03/14/11 16:35 Matrix: Surface Water
Sample ID: SW-R-4 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021923										
Benzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:										
1,2-Dichloroethane-d4	122	%	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	101	%	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	62	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	69	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	85	%	37-109	1	03/17/11	kb	03/18/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-07 Date Collected: 03/14/11 16:55 Matrix: Surface Water
Sample ID: SW-D-4 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021923										
Benzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	**2.0**	**ug/L**	**0.50**	**1**	**03/16/11**	**was**	**03/16/11**	**was**		
m,p-Xylene	**4.4**	**ug/L**	**1.0**	**1**	**03/16/11**	**was**	**03/16/11**	**was**	N	
o-Xylene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	**4.4**	**ug/L**	**1.5**	**1**	**03/16/11**	**was**	**03/16/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	124	%	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	99	%	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.98	ug/L	0.98	1	03/17/11	kb	03/21/11	avl		
Surrogates:										
Nitrobenzene-d5	54	%	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	62	%	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	79	%	37-109	1	03/17/11	kb	03/21/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-08 Date Collected: 03/14/11 17:30 Matrix: Surface Water
Sample ID: SW-R-6 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021923										
Benzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:										
1,2-Dichloroethane-d4	121	%	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	100	%	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	69	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	73	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	88	%	37-109	1	03/17/11	kb	03/18/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-09 Date Collected: 03/14/11 17:45 Matrix: Surface Water
Sample ID: SW-D-3 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	125	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	66	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	70	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	87	%	37-109	1	03/17/11	kb	03/18/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-10 Date Collected: 03/14/11 Matrix: Surface Water
Sample ID: Dup-01 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	**2.1**	**ug/L**	**0.50**	**1**	**03/17/11**	**was**	**03/17/11**	**was**		
m,p-Xylene	**4.6**	**ug/L**	**1.0**	**1**	**03/17/11**	**was**	**03/17/11**	**was**	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	**4.6**	**ug/L**	**1.5**	**1**	**03/17/11**	**was**	**03/17/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	124	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	100	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/19/11	avl		
Surrogates:										
Nitrobenzene-d5	57	%	36-103	1	03/17/11	kb	03/19/11	avl		
2-Fluorobiphenyl	64	%	36-119	1	03/17/11	kb	03/19/11	avl		
Terphenyl-d14	82	%	37-109	1	03/17/11	kb	03/19/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-11 Date Collected: 03/15/11 09:40 Matrix: Ground Water
Sample ID: MW-19-12 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:										
1,2-Dichloroethane-d4	94	%	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	98	%	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	57	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	57	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	70	%	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	<0.050	mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-11 Date Collected: 03/15/11 09:40 Matrix: Ground Water
Sample ID: MW-19-12 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	**1.0**	**mg/L**	**0.075**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Sulfate as SO4	**11**	**mg/L**	**2.5**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.028**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**280**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**14**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**4.0**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-12 Date Collected: 03/15/11 10:46 Matrix: Ground Water
Sample ID: MW-19-8 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:										
1,2-Dichloroethane-d4	95	%	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	98	%	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	55	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	57	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	66	%	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	<0.050	mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-12 Date Collected: 03/15/11 10:46 Matrix: Ground Water
Sample ID: MW-19-8 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	**2.6**	**mg/L**	**0.075**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Sulfate as SO4	**37**	**mg/L**	**2.5**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.026**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**1900**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**4.0**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**40**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**1.2**	**ug/L**	**1.0**	**1**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-13 Date Collected: 03/15/11 11:52 Matrix: Ground Water
Sample ID: MW-19-17 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:										
1,2-Dichloroethane-d4	96	%	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	95	%	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	72	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	71	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	79	%	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	**0.092**	**mg/L**	**0.050**	**1**	**03/18/11**	**ns**	**03/21/11**	**jlm**		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-13 Date Collected: 03/15/11 11:52 Matrix: Ground Water
Sample ID: MW-19-17 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	<0.075	mg/L	0.075	5	03/16/11	bd	03/16/11	bd		
Sulfate as SO4	**13**	**mg/L**	**2.5**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.91**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**1300**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**14**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**64**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**33**	**ug/L**	**10**	**10**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-14 Date Collected: 03/15/11 13:21 Matrix: Ground Water
Sample ID: MW-19-15 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:										
1,2-Dichloroethane-d4	95	%	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	95	%	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	47	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	52	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	66	%	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	<0.050	mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-14 Date Collected: 03/15/11 13:21 Matrix: Ground Water
Sample ID: MW-19-15 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	**3.4**	**mg/L**	**0.075**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Sulfate as SO4	**54**	**mg/L**	**2.5**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.015**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**1400**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**7.0**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**2200**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-15 Date Collected: 03/15/11 15:33 Matrix: Ground Water
Sample ID: MW-19-16 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:										
1,2-Dichloroethane-d4	95	%	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	97	%	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	66	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	72	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	84	%	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	<0.050	mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-15 Date Collected: 03/15/11 15:33 Matrix: Ground Water
Sample ID: MW-19-16 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	**4.6**	**mg/L**	**0.075**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Sulfate as SO4	**100**	**mg/L**	**2.5**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.012**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**950**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	<4.0	mg/L	4.0	1	03/16/11	as	03/16/11	as		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**740**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-16 Date Collected: 03/15/11 09:24 Matrix: Ground Water
Sample ID: MW-29s Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	126	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	104	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	63	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	66	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	74	%	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	**0.37**	**mg/L**	**0.050**	**1**	**03/18/11**	**ns**	**03/21/11**	**jlm**		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-16 Date Collected: 03/15/11 09:24 Matrix: Ground Water
Sample ID: MW-29s Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	**0.093**	**mg/L**	**0.075**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Sulfate as SO4	**4.1**	**mg/L**	**2.5**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**4.3**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**540**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**15**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**470**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**1800**	**ug/L**	**100**	**100**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-17 Date Collected: 03/15/11 11:44 Matrix: Ground Water
Sample ID: MW-25(R) Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	125	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	102	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:										
Nitrobenzene-d5	56	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	61	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	75	%	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	<0.050	mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-17 Date Collected: 03/15/11 11:44 Matrix: Ground Water
Sample ID: MW-25(R) Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	**0.090**	**mg/L**	**0.075**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Sulfate as SO4	**15**	**mg/L**	**2.5**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.16**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**420**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**23**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**6400**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**36**	**ug/L**	**1.0**	**1**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-18 Date Collected: 03/15/11 13:10 Matrix: Ground Water
Sample ID: MW-8 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	122	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	100	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	**3.5**	**ug/L**	**0.95**	**1**	**03/17/11**	**kb**	**03/18/11**	**avl**		
Surrogates:										
Nitrobenzene-d5	57	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	61	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	74	%	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	**0.18**	**mg/L**	**0.050**	**1**	**03/18/11**	**ns**	**03/21/11**	**jlm**		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-18 Date Collected: 03/15/11 13:10 Matrix: Ground Water
Sample ID: MW-8 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	**0.089**	**mg/L**	**0.075**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Sulfate as SO4	<2.5	mg/L	2.5	5	03/16/11	bd	03/16/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.35**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**500**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**31**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**57**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**2000**	**ug/L**	**50**	**50**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-19 Date Collected: 03/15/11 14:48 Matrix: Ground Water
Sample ID: MW-28i Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	125	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	**28**	**ug/L**	**0.95**	**1**	**03/17/11**	**kb**	**03/18/11**	**avl**		
Surrogates:										
Nitrobenzene-d5	66	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	69	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	82	%	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	**0.29**	**mg/L**	**0.050**	**1**	**03/18/11**	**ns**	**03/21/11**	**jlm**		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-19 Date Collected: 03/15/11 14:48 Matrix: Ground Water
Sample ID: MW-28i Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	<0.075	mg/L	0.075	5	03/16/11	bd	03/16/11	bd		
Sulfate as SO4	**5.8**	**mg/L**	**2.5**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.42**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**430**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**15**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**5.0**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**500**	**ug/L**	**20**	**20**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-20 Date Collected: 03/15/11 15:53 Matrix: Ground Water
Sample ID: MW-28s Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	**6.8**	**ug/L**	**1.0**	**1**	**03/17/11**	**was**	**03/17/11**	**was**	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	**6.8**	**ug/L**	**1.5**	**1**	**03/17/11**	**was**	**03/17/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	123	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	103	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	**51**	**ug/L**	**0.95**	**1**	**03/17/11**	**kb**	**03/21/11**	**avl**		
Surrogates:										
Nitrobenzene-d5	54	%	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	60	%	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	83	%	37-109	1	03/17/11	kb	03/21/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	**0.38**	**mg/L**	**0.050**	**1**	**03/18/11**	**ns**	**03/21/11**	**jlm**		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-20 Date Collected: 03/15/11 15:53 Matrix: Ground Water
Sample ID: MW-28s Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	<0.075	mg/L	0.075	5	03/16/11	bd	03/16/11	bd		
Sulfate as SO4	**2.6**	**mg/L**	**2.5**	**5**	**03/16/11**	**bd**	**03/16/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.22**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**370**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**20**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**360**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**1700**	**ug/L**	**50**	**50**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-21 Date Collected: 03/15/11 18:00 Matrix: Surface Water
Sample ID: SW-D-2 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021923										
Benzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:										
1,2-Dichloroethane-d4	115	%	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	100	%	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021910										
Bis(2-ethylhexyl)phthalate	**1.8**	**ug/L**	**0.95**	**1**	**03/17/11**	**kb**	**03/18/11**	**avl**		
Surrogates:										
Nitrobenzene-d5	62	%	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	64	%	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	72	%	37-109	1	03/17/11	kb	03/18/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-22 Date Collected: 03/15/11 18:10 Matrix: Surface Water
Sample ID: SW-D-1 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	126	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<0.99	ug/L	0.99	1	03/17/11	kb	03/21/11	avl		
Surrogates:										
Nitrobenzene-d5	39	%	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	44	%	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	52	%	37-109	1	03/17/11	kb	03/21/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-23 Date Collected: 03/15/11 Matrix: Ground Water
Sample ID: Dup-02 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	**5.8**	**ug/L**	**1.0**	**1**	**03/17/11**	**was**	**03/17/11**	**was**	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	**5.8**	**ug/L**	**1.5**	**1**	**03/17/11**	**was**	**03/17/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	125	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	**52**	**ug/L**	**0.95**	**1**	**03/17/11**	**kb**	**03/21/11**	**avl**		
Surrogates:										
Nitrobenzene-d5	47	%	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	51	%	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	62	%	37-109	1	03/17/11	kb	03/21/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	**0.37**	**mg/L**	**0.050**	**1**	**03/18/11**	**ns**	**03/21/11**	**jlm**		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030	mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-23 Date Collected: 03/15/11 Matrix: Ground Water
Sample ID: Dup-02 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	<0.075	mg/L	0.075	5	03/16/11	bd	03/16/11	bd		
Sulfate as SO4	<2.5	mg/L	2.5	5	03/16/11	bd	03/16/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	**0.22**	**mg/L**	**0.010**	**1**	**03/17/11**	**sm**	**03/17/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	**420**	**mg/L**	**10**	**1**	**03/16/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	**15**	**mg/L**	**4.0**	**1**	**03/16/11**	**as**	**03/16/11**	**as**		
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	**300**	**CFU/ml**	**1.0**	**1**	**03/16/11**	**da**	**03/18/11**	**da**	900, N	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**1600**	**ug/L**	**50**	**50**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-24 Date Collected: 03/15/11 Matrix: Surface Water
Sample ID: Trip Blank Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	128	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	102	%	75-120	1	03/17/11	was	03/17/11	was		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-25 Date Collected: 03/16/11 08:10 Matrix: Ground Water
Sample ID: MW-27s Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:										
1,2-Dichloroethane-d4	97	%	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	94	%	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/21/11	avl		
Surrogates:										
Nitrobenzene-d5	56	%	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	64	%	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	83	%	37-109	1	03/17/11	kb	03/21/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	<0.050	mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-25 Date Collected: 03/16/11 08:10 Matrix: Ground Water
Sample ID: MW-27s Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	**2.7**	**mg/L**	**0.25**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Sulfate as SO4	**38**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.032**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**500**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	**14**	**mg/L**	**4.0**	**1**	**03/17/11**	**as**	**03/17/11**	**as**		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**2000**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-26 Date Collected: 03/16/11 10:20 Matrix: Ground Water
Sample ID: MW-19-7R Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	**11**	**ug/L**	**0.50**	**1**	**03/18/11**	**was**	**03/18/11**	**was**		
Toluene	**33000**	**ug/L**	**500**	**1000**	**03/22/11**	**was**	**03/22/11**	**jq**		
Ethylbenzene	**1400**	**ug/L**	**50**	**100**	**03/21/11**	**was**	**03/21/11**	**was**		
m,p-Xylene	**4900**	**ug/L**	**100**	**100**	**03/21/11**	**was**	**03/21/11**	**was**	N	
o-Xylene	**1300**	**ug/L**	**50**	**100**	**03/21/11**	**was**	**03/21/11**	**was**	N	
Xylenes, total	**6200**	**ug/L**	**150**	**100**	**03/21/11**	**was**	**03/21/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	93	%	68-133	1	03/18/11	was	03/18/11	was		
1,2-Dichloroethane-d4	112	%	68-133	100	03/21/11	was	03/21/11	was		
1,2-Dichloroethane-d4	97	%	68-133	1000	03/22/11	was	03/22/11	jq		
Toluene-d8	114	%	75-120	1	03/18/11	was	03/18/11	was		
Toluene-d8	99	%	75-120	100	03/21/11	was	03/21/11	was		
Toluene-d8	80	%	75-120	1000	03/22/11	was	03/22/11	jq		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<1.0	ug/L	1.0	1	03/17/11	kb	03/21/11	avl		
Surrogates:										
Nitrobenzene-d5	50	%	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	56	%	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	63	%	37-109	1	03/17/11	kb	03/21/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	**0.26**	**mg/L**	**0.050**	**1**	**03/18/11**	**ns**	**03/21/11**	**jlm**		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-26 Date Collected: 03/16/11 10:20 Matrix: Ground Water
Sample ID: MW-19-7R Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	<0.25	mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	**16**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.28**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**1300**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	**10**	**mg/L**	**4.0**	**1**	**03/17/11**	**as**	**03/17/11**	**as**		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**43**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**3300**	**ug/L**	**100**	**100**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-27 Date Collected: 03/16/11 10:24 Matrix: Ground Water
Sample ID: MW-19-6R Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T022054										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	jq	03/18/11	was	N	
Benzene	<0.50	ug/L	0.50	1	03/23/11	jq	03/23/11	was		
Toluene	**33**	**ug/L**	**0.50**	**1**	**03/23/11**	**jq**	**03/23/11**	**was**		
Ethylbenzene	**8.1**	**ug/L**	**0.50**	**1**	**03/23/11**	**jq**	**03/23/11**	**was**		
m,p-Xylene	**32**	**ug/L**	**1.0**	**1**	**03/23/11**	**jq**	**03/23/11**	**was**	N	
o-Xylene	**5.6**	**ug/L**	**0.50**	**1**	**03/23/11**	**jq**	**03/23/11**	**was**	N	
Xylenes, total	**38**	**ug/L**	**1.5**	**1**	**03/23/11**	**jq**	**03/23/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	113	%	68-133	1	03/23/11	jq	03/23/11	was		
1,2-Dichloroethane-d4	96	%	68-133	1	03/18/11	jq	03/18/11	was		
Toluene-d8	96	%	75-120	1	03/23/11	jq	03/23/11	was		
Toluene-d8	97	%	75-120	1	03/18/11	jq	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	**1.1**	**ug/L**	**0.95**	**1**	**03/17/11**	**kb**	**03/21/11**	**avl**		
Surrogates:										
Nitrobenzene-d5	60	%	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	67	%	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	84	%	37-109	1	03/17/11	kb	03/21/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	<0.050	mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-27 Date Collected: 03/16/11 10:24 Matrix: Ground Water
Sample ID: MW-19-6R Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	**0.69**	**mg/L**	**0.25**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Sulfate as SO4	**38**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.028**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**1200**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	**8.0**	**mg/L**	**4.0**	**1**	**03/17/11**	**as**	**03/17/11**	**as**		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**260**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**60**	**ug/L**	**1.0**	**1**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-28 Date Collected: 03/16/11 11:42 Matrix: Ground Water
Sample ID: MW-19R Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/19/11	was	N	
Benzene	<0.50	ug/L	0.50	1	03/18/11	was	03/19/11	was		
Toluene	<0.50	ug/L	0.50	1	03/18/11	was	03/19/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/18/11	was	03/19/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/18/11	was	03/19/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/18/11	was	03/19/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/18/11	was	03/19/11	was		
Surrogates:										
1,2-Dichloroethane-d4	95	%	68-133	1	03/18/11	was	03/19/11	was		
Toluene-d8	96	%	75-120	1	03/18/11	was	03/19/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<1.0	ug/L	1.0	1	03/17/11	kb	03/21/11	avl		
Surrogates:										
Nitrobenzene-d5	67	%	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	75	%	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	84	%	37-109	1	03/17/11	kb	03/21/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	<0.050	mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-28 Date Collected: 03/16/11 11:42 Matrix: Ground Water
Sample ID: MW-19R Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	**3.5**	**mg/L**	**0.25**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Sulfate as SO4	**81**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.044**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**1000**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	<4.0	mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**290**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-29 Date Collected: 03/16/11 12:56 Matrix: Ground Water
Sample ID: MW-19-14 Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	**1.4**	**ug/L**	**0.50**	**1**	**03/18/11**	**was**	**03/18/11**	**was**		
Ethylbenzene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	**1.1**	**ug/L**	**1.0**	**1**	**03/18/11**	**was**	**03/18/11**	**was**	N	
o-Xylene	<0.50	ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:										
1,2-Dichloroethane-d4	94	%	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	96	%	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<0.99	ug/L	0.99	1	03/17/11	kb	03/22/11	avl		
Surrogates:										
Nitrobenzene-d5	66	%	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	68	%	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	76	%	37-109	1	03/17/11	kb	03/22/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021944										
Phosphorus	<0.050	mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-29 Date Collected: 03/16/11 12:56 Matrix: Ground Water
Sample ID: MW-19-14 Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	**3.5**	**mg/L**	**0.25**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Sulfate as SO4	**93**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.037**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**940**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	<4.0	mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**320**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-30 Date Collected: 03/16/11 13:03 Matrix: Ground Water
Sample ID: MW-19-13 Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021972										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	**2.6**	**ug/L**	**0.50**	**1**	**03/18/11**	**was**	**03/18/11**	**was**		
Toluene	**260**	**ug/L**	**5.0**	**10**	**03/21/11**	**was**	**03/21/11**	**was**		
Ethylbenzene	**71**	**ug/L**	**0.50**	**1**	**03/18/11**	**was**	**03/18/11**	**was**		
m,p-Xylene	**290**	**ug/L**	**1.0**	**1**	**03/18/11**	**was**	**03/18/11**	**was**	N	
o-Xylene	**45**	**ug/L**	**0.50**	**1**	**03/18/11**	**was**	**03/18/11**	**was**	N	
Xylenes, total	**330**	**ug/L**	**1.5**	**1**	**03/18/11**	**was**	**03/18/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	92	%	68-133	1	03/18/11	was	03/18/11	was		
1,2-Dichloroethane-d4	95	%	68-133	10	03/21/11	was	03/21/11	was		
Toluene-d8	97	%	75-120	1	03/18/11	was	03/18/11	was		
Toluene-d8	98	%	75-120	10	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Surrogates:										
Nitrobenzene-d5	62	%	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	66	%	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	78	%	37-109	1	03/17/11	kb	03/22/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	**0.17**	**mg/L**	**0.050**	**1**	**03/21/11**	**ns**	**03/21/11**	**jlm**		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-30 Date Collected: 03/16/11 13:03 Matrix: Ground Water
Sample ID: MW-19-13 Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	**3.5**	**mg/L**	**0.25**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Sulfate as SO4	**66**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.059**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**470**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	**130**	**mg/L**	**4.0**	**1**	**03/17/11**	**as**	**03/17/11**	**as**		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**9000**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**2000**	**ug/L**	**50**	**50**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-31 Date Collected: 03/16/11 14:10 Matrix: Ground Water
Sample ID: MW-19-5R Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T022053										
1,3-Butadiene	<1.0	ug/L	1.0	1	03/24/11	was	03/24/11	was	N	
Benzene	**20**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/22/11**	**was**		
Toluene	**92000**	**ug/L**	**250**	**500**	**03/21/11**	**was**	**03/21/11**	**was**		
Ethylbenzene	**2100**	**ug/L**	**250**	**500**	**03/21/11**	**was**	**03/21/11**	**was**		
m,p-Xylene	**8600**	**ug/L**	**500**	**500**	**03/21/11**	**was**	**03/21/11**	**was**	N	
o-Xylene	**2200**	**ug/L**	**250**	**500**	**03/21/11**	**was**	**03/21/11**	**was**	N	
Xylenes, total	**11000**	**ug/L**	**750**	**500**	**03/21/11**	**was**	**03/21/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	115	%	68-133	1	03/21/11	was	03/22/11	was		
1,2-Dichloroethane-d4	117	%	68-133	500	03/21/11	was	03/21/11	was		
1,2-Dichloroethane-d4	87	%	68-133	1	03/24/11	was	03/24/11	was		
Toluene-d8	93	%	75-120	1	03/21/11	was	03/22/11	was		
Toluene-d8	101	%	75-120	500	03/21/11	was	03/21/11	was		
Toluene-d8	106	%	75-120	1	03/24/11	was	03/24/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Surrogates:										
Nitrobenzene-d5	67	%	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	68	%	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	72	%	37-109	1	03/17/11	kb	03/22/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	**0.071**	**mg/L**	**0.050**	**1**	**03/21/11**	**ns**	**03/21/11**	**jlm**		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-31 Date Collected: 03/16/11 14:10 Matrix: Ground Water
Sample ID: MW-19-5R Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	**0.70**	**mg/L**	**0.25**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Sulfate as SO4	**82**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.32**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**630**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	**9.0**	**mg/L**	**4.0**	**1**	**03/17/11**	**as**	**03/17/11**	**as**		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**1100**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**5000**	**ug/L**	**100**	**100**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-32 Date Collected: 03/16/11 14:28 Matrix: Ground Water
Sample ID: ATM-01 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	128	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	102	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Surrogates:										
Nitrobenzene-d5	70	%	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	72	%	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	79	%	37-109	1	03/17/11	kb	03/22/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	<0.050	mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
Analysis Method: EPA 6020										
Batch: T021953										
Lead	<0.0030	mg/L	0.0030	5	03/21/11	ns	03/21/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-32 Date Collected: 03/16/11 14:28 Matrix: Ground Water
Sample ID: ATM-01 Date Received: 03/16/11 10:17

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	<0.25	mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	<2.5	mg/L	2.5	5	03/17/11	bd	03/17/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.042**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	<10	mg/L	10	1	03/17/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	<4.0	mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	<1.0	CFU/ml	1.0	1	03/17/11	da	03/19/11	bd		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-33 Date Collected: 03/16/11 15:49 Matrix: Ground Water
Sample ID: MW-30I Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	127	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	102	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	**2.0**	**ug/L**	**0.95**	**1**	**03/17/11**	**kb**	**03/22/11**	**avl**		
Surrogates:										
Nitrobenzene-d5	56	%	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	60	%	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	64	%	37-109	1	03/17/11	kb	03/22/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	**0.30**	**mg/L**	**0.050**	**1**	**03/21/11**	**ns**	**03/21/11**	**jlm**		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-33 Date Collected: 03/16/11 15:49 Matrix: Ground Water
Sample ID: MW-30I Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	<0.25	mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	**10**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	<0.010	mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**500**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	**27**	**mg/L**	**4.0**	**1**	**03/17/11**	**as**	**03/17/11**	**as**		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**50**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**670**	**ug/L**	**10**	**10**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-34 Date Collected: 03/16/11 16:00 Matrix: Ground Water
Sample ID: MW-30D Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	128	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	102	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Surrogates:										
Nitrobenzene-d5	54	%	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	57	%	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	70	%	37-109	1	03/17/11	kb	03/22/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	<0.050	mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-34 Date Collected: 03/16/11 16:00 Matrix: Ground Water
Sample ID: MW-30D Date Received: 03/17/11 10:47

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	<0.25	mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	**14**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.92**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**330**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	**7.0**	**mg/L**	**4.0**	**1**	**03/17/11**	**as**	**03/17/11**	**as**		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**250**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**11**	**ug/L**	**1.0**	**1**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-35 Date Collected: 03/16/11 17:09 Matrix: Ground Water
Sample ID: MW-30S Date Received: 03/17/11 10:45

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	**10**	**ug/L**	**0.50**	**1**	**03/17/11**	**was**	**03/17/11**	**was**		
m,p-Xylene	**38**	**ug/L**	**1.0**	**1**	**03/17/11**	**was**	**03/17/11**	**was**	N	
o-Xylene	**1.4**	**ug/L**	**0.50**	**1**	**03/17/11**	**was**	**03/17/11**	**was**	N	
Xylenes, total	**39**	**ug/L**	**1.5**	**1**	**03/17/11**	**was**	**03/17/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	129	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	**390**	**ug/L**	**9.5**	**10**	**03/17/11**	**kb**	**03/22/11**	**avl**		
Surrogates:										
Nitrobenzene-d5	52	%	36-103	10	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	69	%	36-119	10	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	77	%	37-109	10	03/17/11	kb	03/22/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	**0.26**	**mg/L**	**0.050**	**1**	**03/21/11**	**ns**	**03/21/11**	**jlm**		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-35 Date Collected: 03/16/11 17:09 Matrix: Ground Water
Sample ID: MW-30S Date Received: 03/17/11 10:45

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	<0.25	mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	**5.5**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.038**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**530**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	**42**	**mg/L**	**4.0**	**1**	**03/17/11**	**as**	**03/17/11**	**as**		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**1200**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**1600**	**ug/L**	**100**	**100**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-36 Date Collected: 03/16/11 Matrix: Ground Water
Sample ID: Dup-03 Date Received: 03/17/11 10:45

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T021950										
Benzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane-d4	124	%	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101	%	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021934										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Surrogates:										
Nitrobenzene-d5	58	%	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	61	%	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	76	%	37-109	1	03/17/11	kb	03/22/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	<0.050	mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-36 Date Collected: 03/16/11 Matrix: Ground Water
Sample ID: Dup-03 Date Received: 03/17/11 10:45

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021919										
Nitrate as N	**3.4**	**mg/L**	**0.25**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Sulfate as SO4	**93**	**mg/L**	**2.5**	**5**	**03/17/11**	**bd**	**03/17/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.042**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021921										
Total Dissolved Solids	**920**	**mg/L**	**10**	**1**	**03/17/11**	**as**	**03/18/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021920										
Total Suspended Solids	<4.0	mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B										
Batch: T021917										
Heterotrophic Plate Count	**340**	**CFU/ml**	**1.0**	**1**	**03/17/11**	**da**	**03/19/11**	**bd**	900b	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-37 Date Collected: 03/03/11 Matrix: Ground Water
Sample ID: TB-02 Date Received: 03/17/11 10:45

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T022049										
Benzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:										
1,2-Dichloroethane-d4	95	%	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	99	%	75-120	1	03/21/11	was	03/21/11	was		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-38 Date Collected: 03/17/11 07:45 Matrix: Ground Water
Sample ID: MW-35S Date Received: 03/18/11 10:14

PARAMETERS		RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS											
Analysis Method: EPA 8260B											
Batch: T022028											
Benzene		**5.8**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
Toluene		**30**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
Ethylbenzene		**16000**	**ug/L**	**100**	**200**	**03/21/11**	**was**	**03/21/11**	**was**		
m,p-Xylene		**60000**	**ug/L**	**200**	**200**	**03/21/11**	**was**	**03/21/11**	**was**	N	
o-Xylene		**23000**	**ug/L**	**100**	**200**	**03/21/11**	**was**	**03/21/11**	**was**	N	
Xylenes, total		**83000**	**ug/L**	**300**	**200**	**03/21/11**	**was**	**03/21/11**	**was**		
Surrogates:											
1,2-Dichloroethane-d4		112	%	68-133	1	03/21/11	was	03/21/11	was		
1,2-Dichloroethane-d4		113	%	68-133	200	03/21/11	was	03/21/11	was		
Toluene-d8		101	%	75-120	1	03/21/11	was	03/21/11	was		
Toluene-d8		99	%	75-120	200	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS											
Analysis Method: EPA 8270C											
Batch: T021985											
Bis(2-ethylhexyl)phthalate		**570**	**ug/L**	**25**	**25**	**03/22/11**	**kb**	**03/23/11**	**avl**		
Surrogates:											
Nitrobenzene-d5	*		%	36-103	25	03/22/11	kb	03/23/11	avl		302
2-Fluorobiphenyl	*		%	36-119	25	03/22/11	kb	03/23/11	avl		302
Terphenyl-d14	*		%	37-109	25	03/22/11	kb	03/23/11	avl		302
METALS, TOTAL											
Analysis Method: EPA 6010B											
Batch: T021953											
Phosphorus		**0.098**	**mg/L**	**0.050**	**1**	**03/21/11**	**ns**	**03/21/11**	**jlm**		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-38 Date Collected: 03/17/11 07:45 Matrix: Ground Water
Sample ID: MW-35S Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021947										
Nitrate as N	<0.25	mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	**2.7**	**mg/L**	**2.5**	**5**	**03/18/11**	**bd**	**03/18/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.11**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021961										
Total Dissolved Solids	**430**	**mg/L**	**10**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021960										
Total Suspended Solids	**39**	**mg/L**	**4.0**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM9215B										
Batch: T021948										
Heterotrophic Plate Count	**580**	**CFU/ml**	**1.0**	**1**	**03/18/11**	**da**	**03/20/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**9200**	**ug/L**	**200**	**200**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-39 Date Collected: 03/17/11 08:50 Matrix: Ground Water
Sample ID: MW-34S Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T022028										
Benzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	**78**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
m,p-Xylene	**240**	**ug/L**	**1.0**	**1**	**03/21/11**	**was**	**03/21/11**	**was**	N	
o-Xylene	**42**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**	N	
Xylenes, total	**280**	**ug/L**	**1.5**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
Surrogates:										
1,2-Dichloroethane-d4	112	%	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	99	%	75-120	1	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021985										
Bis(2-ethylhexyl)phthalate	**7.7**	**ug/L**	**0.96**	**1**	**03/22/11**	**kb**	**03/23/11**	**avl**		
Surrogates:										
Nitrobenzene-d5	65	%	36-103	1	03/22/11	kb	03/23/11	avl		
2-Fluorobiphenyl	72	%	36-119	1	03/22/11	kb	03/23/11	avl		
Terphenyl-d14	84	%	37-109	1	03/22/11	kb	03/23/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	<0.050	mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-39 Date Collected: 03/17/11 08:50 Matrix: Ground Water
Sample ID: MW-34S Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021947										
Nitrate as N	<0.25	mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	**65**	**mg/L**	**2.5**	**5**	**03/18/11**	**bd**	**03/18/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.13**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021961										
Total Dissolved Solids	**380**	**mg/L**	**10**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021960										
Total Suspended Solids	**6.0**	**mg/L**	**4.0**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM9215B										
Batch: T021948										
Heterotrophic Plate Count	**810**	**CFU/ml**	**1.0**	**1**	**03/18/11**	**da**	**03/20/11**	**bd**	900a	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**270**	**ug/L**	**10**	**10**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-40 Date Collected: 03/17/11 08:20 Matrix: Ground Water
Sample ID: MW-32S Date Received: 03/18/11 10:14

PARAMETERS		RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS											
Analysis Method: EPA 8260B											
Batch: T022028											
Benzene		**3.3**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
Toluene		**0.55**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
Ethylbenzene		**3600**	**ug/L**	**50**	**100**	**03/21/11**	**was**	**03/21/11**	**was**		
m,p-Xylene		**11000**	**ug/L**	**100**	**100**	**03/21/11**	**was**	**03/21/11**	**was**	N	
o-Xylene		**580**	**ug/L**	**50**	**100**	**03/21/11**	**was**	**03/21/11**	**was**	N	
Xylenes, total		**11000**	**ug/L**	**150**	**100**	**03/21/11**	**was**	**03/21/11**	**was**		
Surrogates:											
1,2-Dichloroethane-d4		115	%	68-133	1	03/21/11	was	03/21/11	was		
1,2-Dichloroethane-d4		114	%	68-133	100	03/21/11	was	03/21/11	was		
Toluene-d8		99	%	75-120	1	03/21/11	was	03/21/11	was		
Toluene-d8		100	%	75-120	100	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS											
Analysis Method: EPA 8270C											
Batch: T021985											
Bis(2-ethylhexyl)phthalate		**2000**	**ug/L**	**50**	**50**	**03/22/11**	**kb**	**03/24/11**	**avl**		
Surrogates:											
Nitrobenzene-d5	*		%	36-103	50	03/22/11	kb	03/24/11	avl	302	
2-Fluorobiphenyl	*		%	36-119	50	03/22/11	kb	03/24/11	avl	302	
Terphenyl-d14	*		%	37-109	50	03/22/11	kb	03/24/11	avl	302	
METALS, TOTAL											
Analysis Method: EPA 6010B											
Batch: T021953											
Phosphorus		**0.17**	**mg/L**	**0.050**	**1**	**03/21/11**	**ns**	**03/21/11**	**jlm**		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-40 Date Collected: 03/17/11 08:20 Matrix: Ground Water
Sample ID: MW-32S Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021947										
Nitrate as N	<0.25	mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	**120**	**mg/L**	**2.5**	**5**	**03/18/11**	**bd**	**03/18/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.35**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021961										
Total Dissolved Solids	**710**	**mg/L**	**10**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021960										
Total Suspended Solids	**31**	**mg/L**	**4.0**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM9215B										
Batch: T021948										
Heterotrophic Plate Count	**950**	**CFU/ml**	**1.0**	**1**	**03/18/11**	**da**	**03/20/11**	**bd**	900a	
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**8700**	**ug/L**	**200**	**200**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-41 Date Collected: 03/17/11 09:25 Matrix: Ground Water
Sample ID: MW-31S Date Received: 03/18/11 10:14

PARAMETERS		RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS											
Analysis Method: EPA 8260B											
Batch: T022028											
Benzene		**4.3**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
Toluene		**14**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
Ethylbenzene		**4700**	**ug/L**	**50**	**100**	**03/21/11**	**was**	**03/21/11**	**was**		
m,p-Xylene		**16000**	**ug/L**	**100**	**100**	**03/21/11**	**was**	**03/21/11**	**was**	N	
o-Xylene		**4200**	**ug/L**	**50**	**100**	**03/21/11**	**was**	**03/21/11**	**was**	N	
Xylenes, total		**21000**	**ug/L**	**150**	**100**	**03/21/11**	**was**	**03/21/11**	**was**		
Surrogates:											
1,2-Dichloroethane-d4		109	%	68-133	1	03/21/11	was	03/21/11	was		
1,2-Dichloroethane-d4		114	%	68-133	100	03/21/11	was	03/21/11	was		
Toluene-d8		100	%	75-120	1	03/21/11	was	03/21/11	was		
Toluene-d8		99	%	75-120	100	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS											
Analysis Method: EPA 8270C											
Batch: T021985											
Bis(2-ethylhexyl)phthalate		**330**	**ug/L**	**25**	**25**	**03/22/11**	**kb**	**03/23/11**	**avl**		
Surrogates:											
Nitrobenzene-d5	*		%	36-103	25	03/22/11	kb	03/23/11	avl	302	
2-Fluorobiphenyl	*		%	36-119	25	03/22/11	kb	03/23/11	avl	302	
Terphenyl-d14	*		%	37-109	25	03/22/11	kb	03/23/11	avl	302	
METALS, TOTAL											
Analysis Method: EPA 6010B											
Batch: T021953											
Phosphorus		**0.21**	**mg/L**	**0.050**	**1**	**03/21/11**	**ns**	**03/21/11**	**jlm**		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-41 Date Collected: 03/17/11 09:25 Matrix: Ground Water
Sample ID: MW-31S Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021916										
Lead	<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021947										
Nitrate as N	<0.25	mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	**120**	**mg/L**	**2.5**	**5**	**03/18/11**	**bd**	**03/18/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**9.1**	**mg/L**	**0.10**	**10**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021961										
Total Dissolved Solids	**620**	**mg/L**	**10**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021960										
Total Suspended Solids	<4.0	mg/L	4.0	1	03/21/11	as	03/21/11	as		
Analysis Method: SM9215B										
Batch: T021948										
Heterotrophic Plate Count	**36000**	**CFU/ml**	**1.0**	**1**	**03/18/11**	**da**	**03/20/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**10000**	**ug/L**	**200**	**200**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-42 Date Collected: 03/17/11 09:55 Matrix: Ground Water
Sample ID: MW-33S Date Received: 03/18/11 10:14

PARAMETERS		RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS											
Analysis Method: EPA 8260B											
Batch: T022049											
Benzene		<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene		<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene		**2.5**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
m,p-Xylene		**11**	**ug/L**	**1.0**	**1**	**03/21/11**	**was**	**03/21/11**	**was**	N	
o-Xylene		**3.0**	**ug/L**	**0.50**	**1**	**03/21/11**	**was**	**03/21/11**	**was**	N	
Xylenes, total		**14**	**ug/L**	**1.5**	**1**	**03/21/11**	**was**	**03/21/11**	**was**		
Surrogates:											
1,2-Dichloroethane-d4		95	%	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8		96	%	75-120	1	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS											
Analysis Method: EPA 8270C											
Batch: T021985											
Bis(2-ethylhexyl)phthalate		**280**	**ug/L**	**9.8**	**10**	**03/22/11**	**kb**	**03/24/11**	**avl**		
Surrogates:											
Nitrobenzene-d5	*		%	36-103	10	03/22/11	kb	03/24/11	avl	302	
2-Fluorobiphenyl	*		%	36-119	10	03/22/11	kb	03/24/11	avl	302	
Terphenyl-d14	*		%	37-109	10	03/22/11	kb	03/24/11	avl	302	
METALS, TOTAL											
Analysis Method: EPA 6010B											
Batch: T021953											
Phosphorus		**0.080**	**mg/L**	**0.050**	**1**	**03/21/11**	**ns**	**03/21/11**	**jlm**		
METALS, DISSOLVED											
Analysis Method: EPA 6020											
Batch: T021916											
Lead		<0.0030	mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-42 Date Collected: 03/17/11 09:55 Matrix: Ground Water
Sample ID: MW-33S Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021947										
Nitrate as N	<0.25	mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	**120**	**mg/L**	**2.5**	**5**	**03/18/11**	**bd**	**03/18/11**	**bd**		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**1.8**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021961										
Total Dissolved Solids	**750**	**mg/L**	**10**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM 2540 D-97										
Batch: T021960										
Total Suspended Solids	**23**	**mg/L**	**4.0**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM9215B										
Batch: T021948										
Heterotrophic Plate Count	**21000**	**CFU/ml**	**1.0**	**1**	**03/18/11**	**da**	**03/20/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	**2200**	**ug/L**	**50**	**50**	**03/22/11**	**was**	**03/22/11**	**was**	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-43 Date Collected: 03/17/11 09:30 Matrix: Ground Water
Sample ID: RB-01 Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T022049										
Benzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:										
1,2-Dichloroethane-d4	80	%	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	96	%	75-120	1	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021985										
Bis(2-ethylhexyl)phthalate	<0.95	ug/L	0.95	1	03/22/11	kb	03/23/11	avl		
Surrogates:										
Nitrobenzene-d5	49	%	36-103	1	03/22/11	kb	03/23/11	avl		
2-Fluorobiphenyl	53	%	36-119	1	03/22/11	kb	03/23/11	avl		
Terphenyl-d14	59	%	37-109	1	03/22/11	kb	03/23/11	avl		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-44 Date Collected: 03/17/11 09:40 Matrix: Ground Water
Sample ID: RB-02 Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T022049										
Benzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:										
1,2-Dichloroethane-d4	94	%	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	98	%	75-120	1	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021985										
Bis(2-ethylhexyl)phthalate	<0.98	ug/L	0.98	1	03/22/11	kb	03/23/11	avl		
Surrogates:										
Nitrobenzene-d5	60	%	36-103	1	03/22/11	kb	03/23/11	avl		
2-Fluorobiphenyl	62	%	36-119	1	03/22/11	kb	03/23/11	avl		
Terphenyl-d14	69	%	37-109	1	03/22/11	kb	03/23/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	<0.050	mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
Analysis Method: EPA 6020										
Batch: T021953										
Lead	<0.0030	mg/L	0.0030	5	03/21/11	ns	03/21/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-44 Date Collected: 03/17/11 09:40 Matrix: Ground Water
Sample ID: RB-02 Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021947										
Nitrate as N	<0.25	mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	<2.5	mg/L	2.5	5	03/18/11	bd	03/18/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.045**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021961										
Total Dissolved Solids	<10	mg/L	10	1	03/21/11	as	03/21/11	as		
Analysis Method: SM 2540 D-97										
Batch: T021960										
Total Suspended Solids	<4.0	mg/L	4.0	1	03/21/11	as	03/21/11	as		
Analysis Method: SM9215B										
Batch: T021948										
Heterotrophic Plate Count	<1.0	CFU/ml	1.0	1	03/18/11	da	03/20/11	bd		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-45 Date Collected: 03/17/11 09:50 Matrix: Ground Water
Sample ID: RB-03 Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T022049										
Benzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:										
1,2-Dichloroethane-d4	95	%	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	97	%	75-120	1	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8270C										
Batch: T021985										
Bis(2-ethylhexyl)phthalate	<0.98	ug/L	0.98	1	03/22/11	kb	03/23/11	avl		
Surrogates:										
Nitrobenzene-d5	56	%	36-103	1	03/22/11	kb	03/23/11	avl		
2-Fluorobiphenyl	61	%	36-119	1	03/22/11	kb	03/23/11	avl		
Terphenyl-d14	64	%	37-109	1	03/22/11	kb	03/23/11	avl		
METALS, TOTAL										
Analysis Method: EPA 6010B										
Batch: T021953										
Phosphorus	<0.050	mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
Analysis Method: EPA 6020										
Batch: T021953										
Lead	<0.0030	mg/L	0.0030	5	03/21/11	ns	03/21/11	jd		

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-45 Date Collected: 03/17/11 09:50 Matrix: Ground Water
Sample ID: RB-03 Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021947										
Nitrate as N	<0.25	mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	<2.5	mg/L	2.5	5	03/18/11	bd	03/18/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021958										
Ammonia as N	**0.048**	**mg/L**	**0.010**	**1**	**03/21/11**	**sm**	**03/21/11**	**sm**		
Analysis Method: SM 2540 C-97										
Batch: T021961										
Total Dissolved Solids	<10	mg/L	10	1	03/21/11	as	03/21/11	as		
Analysis Method: SM 2540 D-97										
Batch: T021960										
Total Suspended Solids	**11**	**mg/L**	**4.0**	**1**	**03/21/11**	**as**	**03/21/11**	**as**		
Analysis Method: SM9215B										
Batch: T021948										
Heterotrophic Plate Count	**5.5**	**CFU/ml**	**1.0**	**1**	**03/18/11**	**da**	**03/20/11**	**bd**		
VOLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0	ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

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ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-46 Date Collected: 03/03/11 Matrix: Ground Water
Sample ID: TB-03 Date Received: 03/18/11 10:14

PARAMETERS	RESULTS	UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS										
Analysis Method: EPA 8260B										
Batch: T022049										
Benzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	<1.0	ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	<0.50	ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	<1.5	ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:										
1,2-Dichloroethane-d4	95	%	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	97	%	75-120	1	03/21/11	was	03/21/11	was		

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QUALITY CONTROL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T022046
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples

Analysis Description: Dissolved Gases
Analysis Method: RSK-175(MOD) / ISOTECH

METHOD BLANK: T022046-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methane	ug/L	<1.0	1.0	

METHOD BLANK: T022046-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Methane	ug/L	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T022046-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Methane	ug/L	12.8	12.0	94	70-130	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022046-MSD1

Original: **T11C162-11**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Methane	ug/L	0.586	12.8	14.2	14.2	106	106	70-130	0.3	15	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022046-MSD2

Original: **T11C162-28**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Methane	ug/L	0.467	12.8	13.6	13.1	103	99	70-130	4	15	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021944
QC Batch Method: EPA 3015 Microwave Assisted Digestions for Liquids

Analysis Description: Phosphorus, Total
Analysis Method: EPA 6010B

METHOD BLANK: T021944-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Phosphorus	mg/L	<0.050	0.050	

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LABORATORY CONTROL SAMPLE: T021944-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Phosphorus	mg/L	8.89	7.82	88	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021944-MSD1 Original: **T11C162-28**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Phosphorus	mg/L	0	8.89	8.05	7.98	91	90	75-125	0.9	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021953
QC Batch Method: EPA 3015 Microwave Assisted Digestions for Liquids
Analysis Description: Phosphorus, Total
Analysis Method: EPA 6010B

METHOD BLANK: T021953-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Phosphorus	mg/L	<0.050	0.050	

LABORATORY CONTROL SAMPLE: T021953-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Phosphorus	mg/L	8.89	8.42	95	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021953-MSD1 Original: **T11C162-30**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Phosphorus	mg/L	0.166	8.89	8.88	8.95	98	99	75-125	0.9	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021889
QC Batch Method:
Analysis Description: Lead, Dissolved
Analysis Method: EPA 6020

METHOD BLANK: T021889-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Lead	mg/L	<0.0030	0.0030	

LABORATORY CONTROL SAMPLE: T021889-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Lead	mg/L	0.250	0.253	101	80-120	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021889-MSD1 Original: **T11C162-11**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Lead	mg/L	0	0.250	0.253	0.257	101	103	75-125	2	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021916
QC Batch Method:
Analysis Description: Lead, Dissolved
Analysis Method: EPA 6020

METHOD BLANK: T021916-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Lead	mg/L	<0.0030	0.0030	

LABORATORY CONTROL SAMPLE: T021916-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Lead	mg/L	0.250	0.252	101	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021916-MSD1 Original: **T11C162-28**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Lead	mg/L	0	0.250	0.284	0.282	114	113	75-125	1	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021953
QC Batch Method: EPA 3015 Microwave Assisted Digestions for Liquids
Analysis Description: Lead, Total
Analysis Method: EPA 6020

METHOD BLANK: T021953-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Lead	mg/L	<0.0030	0.0030	

LABORATORY CONTROL SAMPLE: T021953-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Lead	mg/L	0.0556	0.0662	119	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021953-MSD1 Original: **T11C162-30**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021953-MSD1 Original: **T11C162-30**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Lead	mg/L	0.00765	0.0556	0.0739	0.0758	119	123	75-125	3	20	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021910
QC Batch Method: EPA 3510C Separatory Funnel Liquid-Liquid Extr.

Analysis Description: Semi-volatiles, TCL list
Analysis Method: EPA 8270C

METHOD BLANK: T021910-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dimethyl phthalate	ug/L	<2.5	2.5	
Diethyl phthalate	ug/L	<2.5	2.5	
Di-n-butyl phthalate	ug/L	<2.5	2.5	
Butyl benzyl phthalate	ug/L	<2.5	2.5	
Bis(2-ethylhexyl)phthalate	ug/L	<1.0	1.0	
Di-n-octyl phthalate	ug/L	<2.5	2.5	
Dihexyl phthalate	ug/L	<5.0	5.0	
Diisononyl phthalate	ug/L	<5.0	5.0	
Diisodecyl phthalate	ug/L	<5.0	5.0	
Nitrobenzene-d5 (S)	%	54	36-103	
2-Fluorobiphenyl (S)	%	60	36-119	
Terphenyl-d14 (S)	%	82	37-109	

LABORATORY CONTROL SAMPLE: T021910-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Dimethyl phthalate	ug/L	100	81.7	82	53-101	
Diethyl phthalate	ug/L	100	78.0	78	53-106	
Di-n-butyl phthalate	ug/L	100	82.7	83	54-101	
Butyl benzyl phthalate	ug/L	100	82.4	82	53-110	
Bis(2-ethylhexyl)phthalate	ug/L	100	82.9	83	57-107	
Di-n-octyl phthalate	ug/L	100	80.1	80	54-120	
Nitrobenzene-d5 (S)	%	100	69.5	69	36-103	
2-Fluorobiphenyl (S)	%	100	77.7	78	36-119	
Terphenyl-d14 (S)	%	100	86.0	86	37-109	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021910-MSD1 Original: **T11C162-21**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Dimethyl phthalate	ug/L	0	95.2	72.1	56.9	76	60	53-97	23	25	
Diethyl phthalate	ug/L	0	95.2	77.0	59.6	81	63	49-102	25	27	
Di-n-butyl phthalate	ug/L	0.552	95.2	73.3	61.4	76	64	52-99	18	21	
Butyl benzyl phthalate	ug/L	0	95.2	75.6	61.2	79	64	52-106	21	29	
Bis(2-ethylhexyl)phthalate	ug/L	1.78	95.2	78.9	62.2	81	63	52-106	24	29	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021910-MSD1 Original: **T11C162-21**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Di-n-octyl phthalate	ug/L	0	95.2	75.2	64.0	79	67	49-119	16	26	
Nitrobenzene-d5 (S)	%		95.2	69.3	59.8	73	63	36-103			
2-Fluorobiphenyl (S)	%		95.2	73.5	60.7	77	64	36-119			
Terphenyl-d14 (S)	%		95.2	74.6	64.5	78	68	37-109			

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021934
QC Batch Method: EPA 3510C Separatory Funnel Liquid-Liquid Extr.

Analysis Description: Semi-volatiles, TCL list
Analysis Method: EPA 8270C

METHOD BLANK: T021934-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dimethyl phthalate	ug/L	<2.5	2.5	
Diethyl phthalate	ug/L	<2.5	2.5	
Di-n-butyl phthalate	ug/L	<2.5	2.5	
Butyl benzyl phthalate	ug/L	<2.5	2.5	
Bis(2-ethylhexyl)phthalate	ug/L	<1.0	1.0	
Di-n-octyl phthalate	ug/L	<2.5	2.5	
Nitrobenzene-d5 (S)	%	65	36-103	
2-Fluorobiphenyl (S)	%	71	36-119	
Terphenyl-d14 (S)	%	82	37-109	

LABORATORY CONTROL SAMPLE: T021934-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Dimethyl phthalate	ug/L	100	73.6	74	53-101	
Diethyl phthalate	ug/L	100	77.7	78	53-106	
Di-n-butyl phthalate	ug/L	100	80.8	81	54-101	
Butyl benzyl phthalate	ug/L	100	75.7	76	53-110	
Bis(2-ethylhexyl)phthalate	ug/L	100	78.5	78	57-107	
Di-n-octyl phthalate	ug/L	100	78.1	78	54-120	
Nitrobenzene-d5 (S)	%	100	73.2	73	36-103	
2-Fluorobiphenyl (S)	%	100	78.4	78	36-119	
Terphenyl-d14 (S)	%	100	87.7	88	37-109	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021934-MSD1 Original: **T11C162-28**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Dimethyl phthalate	ug/L	0	101	62.5	75.6	62	75	53-97	19	25	
Diethyl phthalate	ug/L	0	101	63.9	79.7	63	79	49-102	22	27	
Di-n-butyl phthalate	**ug/L**	**0.657**	**101**	**64.6**	**85.7**	**63**	**84**	**52-99**	**28**	**21**	**207**
Butyl benzyl phthalate	ug/L	0	101	61.1	79.4	61	79	52-106	26	29	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021934-MSD1 Original: **T11C162-28**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Bis(2-ethylhexyl)phthalate	ug/L	0.545	101	64.3	82.8	63	81	52-106	25	29	
Di-n-octyl phthalate	ug/L	0	101	64.0	82.7	63	82	49-119	26	26	
Nitrobenzene-d5 (S)	%		101	52.9	64.5	52	64	36-103			
2-Fluorobiphenyl (S)	%		101	58.6	70.4	58	70	36-119			
Terphenyl-d14 (S)	%		101	70.9	81.8	70	81	37-109			

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021985
QC Batch Method: EPA 3510C Separatory Funnel Liquid-Liquid Extr.
Analysis Description: Semi-volatiles, TCL list
Analysis Method: EPA 8270C

METHOD BLANK: T021985-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dimethyl phthalate	ug/L	<2.5	2.5	
Diethyl phthalate	ug/L	<2.5	2.5	
Di-n-butyl phthalate	ug/L	<2.5	2.5	
Butyl benzyl phthalate	ug/L	<2.5	2.5	
Bis(2-ethylhexyl)phthalate	ug/L	<1.0	1.0	
Di-n-octyl phthalate	ug/L	<2.5	2.5	
Dihexyl phthalate	ug/L	<5.0	5.0	
Diisononyl phthalate	ug/L	<5.0	5.0	
Diisodecyl phthalate	ug/L	<5.0	5.0	
Nitrobenzene-d5 (S)	%	74	36-103	
2-Fluorobiphenyl (S)	%	74	36-119	
Terphenyl-d14 (S)	%	84	37-109	

LABORATORY CONTROL SAMPLE: T021985-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Dimethyl phthalate	ug/L	100	85.1	85	53-101	
Diethyl phthalate	ug/L	100	87.3	87	53-106	
Di-n-butyl phthalate	ug/L	100	82.6	83	54-101	
Butyl benzyl phthalate	ug/L	100	89.5	90	53-110	
Bis(2-ethylhexyl)phthalate	ug/L	100	93.3	93	57-107	
Di-n-octyl phthalate	ug/L	100	97.6	98	54-120	
Nitrobenzene-d5 (S)	%	100	82.8	83	36-103	
2-Fluorobiphenyl (S)	%	100	86.3	86	36-119	
Terphenyl-d14 (S)	%	100	102	102	37-109	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021923
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

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METHOD BLANK: T021923-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methyl-tert-butyl ether	ug/L	<5.0	5.0	
Benzene	ug/L	<1.0	1.0	
Toluene	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
m,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
Xylenes, total	ug/L	<3.0	3.0	
1,2-Dichloroethane-d4 (S)	%	114	68-133	
Toluene-d8 (S)	%	99	75-120	

LABORATORY CONTROL SAMPLE: T021923-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	19.6	98	80-120	
Toluene	ug/L	20.0	19.2	96	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	40.0	114	68-133	
Toluene-d8 (S)	%	30.0	30.3	101	75-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021923-MSD1 Original: **T11C162-21**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Benzene	ug/L	0	20.0	18.9	17.7	94	88	78-114	7	11	
Toluene	ug/L	0	20.0	19.1	18.1	96	91	77-118	5	10	
1,2-Dichloroethane-d4 (S)	%		35.0	39.2	40.8	112	117	68-133			
Toluene-d8 (S)	%		30.0	30.3	30.9	101	103	75-120			

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021950
QC Batch Method: EPA 8260B
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

METHOD BLANK: T021950-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methyl-tert-butyl ether	ug/L	<0.50	0.50	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	123	68-133	
Toluene-d8 (S)	%	101	75-120	

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LABORATORY CONTROL SAMPLE: T021950-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	17.4	87	80-120	
Toluene	ug/L	20.0	17.7	89	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	42.5	121	68-133	
Toluene-d8 (S)	%	30.0	31.2	104	75-120	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021972
QC Batch Method: EPA 8260B
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

METHOD BLANK: T021972-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	95	68-133	
Toluene-d8 (S)	%	98	75-120	

LABORATORY CONTROL SAMPLE: T021972-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	17.4	87	80-120	
Toluene	ug/L	20.0	17.9	90	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.2	94	68-133	
Toluene-d8 (S)	%	45.0	44.4	99	75-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021972-MSD1 Original: **T11C162-28RE1**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Benzene	ug/L	0	400	355	357	89	89	78-114	0.6	11	
Toluene	ug/L	0	400	431	399	108	100	77-118	8	10	
1,2-Dichloroethane-d4 (S)	%		45.0	42.8	42.4	95	94	68-133			
Toluene-d8 (S)	%		45.0	43.9	43.7	98	97	75-120			

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

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QC Batch: T022028
QC Batch Method: EPA 8260B

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

METHOD BLANK: T022028-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	113	68-133	
Toluene-d8 (S)	%	99	75-120	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	113	68-133	
Toluene-d8 (S)	%	99	75-120	

LABORATORY CONTROL SAMPLE: T022028-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	20.1	100	80-120	
Toluene	ug/L	20.0	20.2	101	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	39.6	113	68-133	
Toluene-d8 (S)	%	30.0	30.3	101	75-120	
Benzene	ug/L	20.0	20.1	100	80-120	
Toluene	ug/L	20.0	20.2	101	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	39.6	113	68-133	
Toluene-d8 (S)	%	30.0	30.3	101	75-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022028-MSD1 Original: **T11C162-26RE1**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Benzene	ug/L	0	2000	1900	1850	95	92	78-114	3	11	
Toluene	**ug/L**	**39600**	**2000**	**40800**	**39900**	**60**	**13**	**77-118**	**128**	**10**	**231**
1,2-Dichloroethane-d4 (S)	%		35.0	40.3	38.7	115	111	68-133			
Toluene-d8 (S)	%		30.0	30.4	30.4	101	101	75-120			
Benzene	ug/L	0	2000	1900	1850	95	92	78-114	3	11	
Toluene	**ug/L**	**39600**	**2000**	**40800**	**39900**	**60**	**13**	**77-118**	**128**	**10**	**231**
1,2-Dichloroethane-d4 (S)	%		35.0	40.3	38.7	115	111	68-133			

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022028-MSD1 Original: **T11C162-26RE1**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Toluene-d8 (S)	%		30.0	30.4	30.4	101	101	75-120			

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T022035
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

METHOD BLANK: T022035-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	87	68-133	
Toluene-d8 (S)	%	80	75-120	

LABORATORY CONTROL SAMPLE: T022035-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	16.8	84	80-120	
Toluene	ug/L	20.0	16.7	83	80-120	
1,2-Dichloroethane-d4 (S)	%	30.0	25.7	86	68-133	
Toluene-d8 (S)	%	30.0	24.1	80	75-120	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T022049
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

METHOD BLANK: T022049-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
1,3-Butadiene	ug/L	<1.0	1.0	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	92	68-133	
Toluene-d8 (S)	%	99	75-120	

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METHOD BLANK: T022049-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methyl-tert-butyl ether	ug/L	<0.50	0.50	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	92	68-133	
Toluene-d8 (S)	%	99	75-120	

LABORATORY CONTROL SAMPLE: T022049-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	17.1	86	80-120	
Toluene	ug/L	20.0	17.4	87	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.6	95	68-133	
Toluene-d8 (S)	%	45.0	43.7	97	75-120	
Benzene	ug/L	20.0	17.1	86	80-120	
Toluene	ug/L	20.0	17.4	87	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.6	95	68-133	
Toluene-d8 (S)	%	45.0	43.7	97	75-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022049-MSD1 Original: **T11C162-30RE1**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Benzene	ug/L	0	200	180	182	90	91	78-114	0.6	11	
Toluene	ug/L	262	200	460	464	99	101	77-118	2	10	
1,2-Dichloroethane-d4 (S)	%		45.0	42.6	42.3	95	94	68-133			
Toluene-d8 (S)	%		45.0	43.9	43.8	98	97	75-120			
Benzene	ug/L	0	200	180	182	90	91	78-114	0.6	11	
Toluene	ug/L	262	200	460	464	99	101	77-118	2	10	
1,2-Dichloroethane-d4 (S)	%		45.0	42.6	42.3	95	94	68-133			
Toluene-d8 (S)	%		45.0	43.9	43.8	98	97	75-120			

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T022052
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

METHOD BLANK: T022052-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes

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METHOD BLANK: T022052-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<1.0	1.0	
Toluene	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
m,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
Xylenes, total	ug/L	<3.0	3.0	
1,2-Dichloroethane-d4 (S)	%	111	68-133	
Toluene-d8 (S)	%	98	75-120	

LABORATORY CONTROL SAMPLE: T022052-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	19.6	98	80-120	
Toluene	ug/L	20.0	19.8	99	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	38.8	111	68-133	
Toluene-d8 (S)	%	30.0	30.0	100	75-120	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T022053
QC Batch Method: EPA 8260B
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

METHOD BLANK: T022053-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
1,3-Butadiene	ug/L	<1.0	1.0	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	88	68-133	
Toluene-d8 (S)	%	99	75-120	

LABORATORY CONTROL SAMPLE: T022053-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	16.8	84	80-120	
Toluene	ug/L	20.0	17.5	88	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	39.9	89	68-133	
Toluene-d8 (S)	%	45.0	44.1	98	75-120	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

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QC Batch: T022054
QC Batch Method: EPA 8260B

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

METHOD BLANK: T022054-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
1,3-Butadiene	ug/L	<1.0	1.0	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	95	68-133	
Toluene-d8 (S)	%	98	75-120	

LABORATORY CONTROL SAMPLE: T022054-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	17.4	87	80-120	
Toluene	ug/L	20.0	17.9	90	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.2	94	68-133	
Toluene-d8 (S)	%	45.0	44.4	99	75-120	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021899
QC Batch Method: IC Prep W

Analysis Description: Nitrate
Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T021899-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Nitrate as N	mg/L	<0.050	0.050	
Sulfate as SO4	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T021899-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Nitrate as N	mg/L	0.500	0.451	90	90-110	
Sulfate as SO4	mg/L	2.50	2.47	99	90-110	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021899-MSD1 Original: **T11C162-11**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Nitrate as N	mg/L	1.04	6.00	6.76	6.77	95	95	80-120	0.2	20	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021899-MSD1 Original: **T11C162-11**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Sulfate as SO4	mg/L	10.5	30.0	38.2	38.9	92	95	80-120	3	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021919
QC Batch Method: IC Prep W
Analysis Description: Nitrate
Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T021919-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Nitrate as N	mg/L	<0.050	0.050	
Sulfate as SO4	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T021919-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Nitrate as N	mg/L	0.500	0.502	100	90-110	
Sulfate as SO4	mg/L	2.50	2.34	94	90-110	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021919-MSD1 Original: **T11C162-28**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Nitrate as N	mg/L	3.50	6.00	9.31	9.50	97	100	80-120	3	20	
Sulfate as SO4	**mg/L**	**80.6**	**30.0**	**130**	**130**	**166**	**165**	**80-120**	**0.8**	**20**	**222**

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021947
QC Batch Method: IC Prep W
Analysis Description: Nitrate
Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T021947-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Nitrate as N	mg/L	<0.050	0.050	
Sulfate as SO4	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T021947-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Nitrate as N	mg/L	0.500	0.492	98	90-110	
Sulfate as SO4	mg/L	2.50	2.38	95	90-110	

CERTIFICATE OF ANALYSIS

TRACE
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fax 231.773.6537

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Muskegon, MI 49444-2673
info@trace-labs.com
www.trace-labs.com

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021947-MSD1 Original: **T11C162-44**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Nitrate as N	mg/L	0	1.20	1.01	1.02	84	85	80-120	0.5	20	
Sulfate as SO4	mg/L	0	6.00	4.92	5.18	82	86	80-120	5	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021908
QC Batch Method: EPA 350.1 Rev. 2.0
Analysis Description: Nitrogen, Ammonia
Analysis Method: EPA 350.1 Rev. 2.0

METHOD BLANK: T021908-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Ammonia as N	mg/L	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T021908-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Ammonia as N	mg/L	1.00	0.992	99	90-110	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021908-MSD1 Original: **T11C162-11**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Ammonia as N	mg/L	0.0284	1.00	0.962	0.964	93	94	90-110	0.2	7.9	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021958
QC Batch Method: EPA 350.1 Rev. 2.0
Analysis Description: Nitrogen, Ammonia
Analysis Method: EPA 350.1 Rev. 2.0

METHOD BLANK: T021958-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Ammonia as N	mg/L	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T021958-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Ammonia as N	mg/L	1.00	0.989	99	90-110	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021958-MSD1 Original: **T11C162-28**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Ammonia as N	mg/L	0.0438	1.00	0.984	0.961	94	92	90-110	2	7.9	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021895
QC Batch Method: SM 2540 C-97
Analysis Description: Total Dissolved Solids
Analysis Method: SM 2540 C-97

METHOD BLANK: T021895-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Dissolved Solids	mg/L	<10	10	

SAMPLE DUPLICATE: T021895-DUP1 Original: **T11C162-11**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Dissolved Solids	mg/L	283	283	0	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021921
QC Batch Method: SM 2540 C-97
Analysis Description: Total Dissolved Solids
Analysis Method: SM 2540 C-97

METHOD BLANK: T021921-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Dissolved Solids	mg/L	<10	10	

SAMPLE DUPLICATE: T021921-DUP1 Original: **T11C162-28**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Dissolved Solids	mg/L	1010	1020	0.6	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021961
QC Batch Method: SM 2540 C-97
Analysis Description: Total Dissolved Solids
Analysis Method: SM 2540 C-97

METHOD BLANK: T021961-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Dissolved Solids	mg/L	<10	10	

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SAMPLE DUPLICATE: T021961-DUP1 Original: **T11C162-38**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Dissolved Solids	mg/L	426	423	0.7	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021896
QC Batch Method: SM 2540 D-97
Analysis Description: Total Suspended Solids
Analysis Method: SM 2540 D-97

METHOD BLANK: T021896-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<10	10	

LABORATORY CONTROL SAMPLE: T021896-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	50.0	49.0	98	85-115	

SAMPLE DUPLICATE: T021896-DUP1 Original: **T11C162-11**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Suspended Solids	mg/L	14.0	14.0	0	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021920
QC Batch Method: SM 2540 D-97
Analysis Description: Total Suspended Solids
Analysis Method: SM 2540 D-97

METHOD BLANK: T021920-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<10	10	

LABORATORY CONTROL SAMPLE: T021920-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	50.0	48.0	96	85-115	

SAMPLE DUPLICATE: T021920-DUP1 Original: **T11C162-28**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Suspended Solids	mg/L	2.00	2.00	0	20	

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Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021960
QC Batch Method: SM 2540 D-97
Analysis Description: Total Suspended Solids
Analysis Method: SM 2540 D-97

METHOD BLANK: T021960-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<10	10	

LABORATORY CONTROL SAMPLE: T021960-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	50.0	50.0	100	85-115	

SAMPLE DUPLICATE: T021960-DUP1 Original: **T11C162-38**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Suspended Solids	mg/L	39.0	39.0	0	20	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021888
QC Batch Method: SM9215B
Analysis Description: Heterotrophic Plate Count
Analysis Method: SM9215B

METHOD BLANK: T021888-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Heterotrophic Plate Count	CFU/ml	> 300	1.0	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021917
QC Batch Method: SM9215B
Analysis Description: Heterotrophic Plate Count
Analysis Method: SM9215B

METHOD BLANK: T021917-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Heterotrophic Plate Count	CFU/ml	<1.0	1.0	

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021948
QC Batch Method: SM9215B
Analysis Description: Heterotrophic Plate Count
Analysis Method: SM9215B

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METHOD BLANK: T021948-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Heterotrophic Plate Count	CFU/ml	<1.0	1.0	

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www.trace-labs.com

3/16/11 Page 1 of 3

TRACE ID NO. T11C162

TRACE USE ONLY

Logged By: BMC Checked By: JS

Received on ice: (Yes) No Preservative Checked: (Yes) No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415 Fax:

Email Address:

Project #: 01545.46.001 PO #: Trace Quote #:

Project Name: LEC Sampled by: SM/SP

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☐	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Bill To:

Billing Address (if different) _____

City, State, Zip Code _____

Attn: _____ Phone: _____ Fax: _____

Request for Analytical Services

ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP								REMARKS	Possible Health Hazard
01	3-14-11	1425		DRC-02	SW	4	X	X									
02	3-14-11	1435		SW-D-5	SW	4	X	X									
03	3-14-11	1605		SW-R-1	SW	4	X	X									
04	3-14-11	1615		SW-R-2	SW	4	X	X									
05	3-14-11	1625		SW-R-3	SW	4	X	X									
06	3-14-11	1635		SW-R-4	SW	4	X	X									
07	3-14-11	1655		SW-D-4	SW	4	X	X									
08	3-14-11	1730		SW-R-6	SW	4	X	X									
09	3-14-11	1745		SW-D-3	SW	4	X	X									
10	3-14-11	—		Dup-01	SW	4	X	X									

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
	1) Scott Pawlukiewicz	Fed Ex	3-15-11	1900		3)			
	2) Fed Ex	C McDonald	3-16-11	10:17		4)			

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

TRACE — the science of compliance

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Page 2 of 3

TRACE ID NO. T11C162

TRACE USE ONLY

Logged By: BML Checked By: GS

Received on ice: (Yes) No Preservative Checked: (Yes) No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave SE

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415 Fax:

Email Address: scott.pawlukiewicz

Project #: 01545.46.0001 PO #: Trace Quote #:

Project Name: LEC Sampled by: SM/SP

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☐	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Bill To:

Billing Address (if different) _____

City, State, Zip Code _____

Attn: _____ Phone: _____ Fax: _____

Request for Analytical Services

ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP	CH4	HEC	NO3/SO4/TSS/TDS	NH3/P	Diss Pb	1,3 butadiene (8015B)	1,3 butadiene (8260)	REMARKS	Possible Health Hazard
11	3-15-11	0940	X	MW-19-12	GW	10	X	X	X	X	X	X	X		X	X		
12	3-15-11	1046	X	MW-19-8	GW	10	X	X	X	X	X	X	X		X	X		
13	3-15-11	1152	X	MW-19-17	GW	10	X	X	X	X	X	X	X		X	X		
14	3-15-11	1321	X	MW-19-15	GW	10	X	X	X	X	X	X	X		X	X		
15	3-15-11	1533	X	MW-19-16	GW	10	X	X	X	X	X	X	X		X	X		
16	3-16-11	0924	X	MW-29S	GW	10	X	X	X	X	X	X	X					
17	3-15-11	1144	X	MW-25(R)	GW	10	X	X	X	X	X	X	X					
18	3-15-11	1310	X	MW-8	GW	10	X	X	X	X	X	X	X					
19	3-15-11	1448	X	MW-28I	GW	10	X	X	X	X	X	X	X					
20	3-15-11	1553		MW-28S	GW	10	X	X	X	X	X	X	X					

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
	1) Scott Mulder	Fed Ex	3-15-11	1900		3)			
	2) Fed Ex	B McDonald	3-16-11	10:17		4)			

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

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Page 3 of 3

TRACE ID NO. T11C162

TRACE USE ONLY

Logged By: BML Checked By: JS

Received on ice: (Yes) No Preservative Checked: (Yes) No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415 Fax:

Email Address:

Project #: 01545,46.001 PO #: Trace Quote #:

Project Name: LEC Sampled by: SM/SP

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☐	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Bill To:

Billing Address (if different)

City, State, Zip Code

Attn: Phone: Fax:

Request for Analytical Services

ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP	CHL	HPC	NO3/SO4/TSS/TDS	NH3/P	Diss Pb	REMARKS	Possible Health Hazard
21	SW-D-2	1800		SW-D-2	SW	4	X	X						MS/MSD	
22	SW-D-1	1810		SW-D-1											
		~~1900~~		~~MW-19~~											
23	3-15-11	—		Dup-02	GW	10	X	X	X	X	X	X	X		
24				Trip Blank											

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
	1) Scott Mulder	Fed Ex	3-15-11	1900		3)			
	2) Fed Ex	B McDonald	3/16/11	10:17		4)			

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Page 1 of 2

TRACE ID NO. T11C162

TRACE USE ONLY

Logged By: [signature] Checked By: BJM

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415 Fax:

Email Address:

Project #: 01545.46.001 PO #: Trace Quote #:

Project Name: LEC Sampled by: SM/SP

Bill To:

Billing Address (if different)

City, State, Zip Code Madison, WI

Attn: Phone: Fax:

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☑	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Request for Analytical Services

ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP	CH4	HPC	NO3/SO4/TSS/TRS	NH3/P	Pb ss	1,3-Butylene (8015)	1,3-Butylene (8260)	REMARKS	Possible Health Hazard
25	3/16/11	0810	y	MW-27S	W	10	2	2	2	1	1	1	1		x	x	
26	3/16/11	1020	y	MW-19-7R	W	10	2	2	2	1	1	1	1		x	x	
27	3/16/11	1024	y	MW-19-6R	W	10	2	2	2	1	1	1	1		x	x	
28	3/16/11	1142	y	MW-19R	W	20	4	4	4	2	2	2	2		x	x	
29	3/16/11	1256	y	MW-19-14	W	10	2	2	2	2	1	1	1		x	x	
30	3/16/11	1303	y	MW-19-13	W	10	2	2	2	2	1	1	1		x	x	
31	3/16/11	1418	y	MW-19-5R	W	10	2	2	2	2	1	1	1		x	x	
32	3/16/11	1428	N	~~MW~~ ATM-01	W	10	2	2	2	2	1	1	(1)				Tot. Pb.
33	3/16/11	1549	y	MW-30I	W	10	2	2	2	2	1	1	1				
34	3/16/11	1600	y	~~MW-30S~~ MW-30D	W	10	2	2	2	2	1	1	1				

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
	1) [signature]	FedEx	3/16/11	1830		3)			
	2) FedEx	[signature]	3/17/11	10:45		4)			

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

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Page 2 of 2

TRACE ID NO. T11C162

TRACE USE ONLY

Logged By: [signature] Checked By: [signature]

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

Report Results To:

Client Name: RMT, Inc
Contact Person: Scott Pawlukiewicz
Mailing Address: 2025 E Beltline Ave.
City, State, Zip Code: Grand Rapids, MI
Phone: 616-975-5415 Fax:
Email Address: scott.pawlukiewicz@rmtinc.com
Project #: ~~00~~ 01545.46.001 PO #: Trace Quote #:
Project Name: LEC Sampled by: SP/SM

Bill To:

Billing Address (if different)
City, State, Zip Code Madison, WI
Attn: Phone: Fax:

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard (2 wk)	☑	S = Soil	WI = Wipes
Drinking Water	☐	* 5 Day	☐	W = Water	LW = Liquid Waste
NPDES	☐	* 2-4 Day (RUSH)	☐	SE = Sediment	A = Air
USACE	☐	* 24 Hour (RUSH)	☐	OI = Oil	D = Drinking Water
Special	☐	* Requires prior approval		SO = Solid Waste	SL = Sludge

Request for Analytical Services

ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHP	CHL	HPC	NO3/SO4/Kss/TDS	NH3/P	Diss Pb	1,3 butadiene (8015B)	1,3 butadiene (8260)	REMARKS	Possible Health Hazard
35	3/6/11	1709	y	MW-30S	W	10	2	2	2	1	1	1	1				
36	3/6/11	—	y	Dup-03	W	10	2	2	2	1	1	1	1				
37	3/3/11	—	—	TB-02	W	1	1	—	—	—	—	—	—				

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
	1) [signature]	[signature]	3/6/11	1830		3)			
	2) FedEx	[signature]	3/7/11	10:45		4)			

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

TRACE — the science of compliance
phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537
Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
info@trace-labs.com
www.trace-labs.com

CHAIN-OF-CUSTODY RECORD

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Page 1 of 1

TRACE ID NO. T11C162

TRACE USE ONLY

Logged By: GS Checked By: BMC

Received on ice: (Yes) No Preservative Checked: (Yes) No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

Report Results To:

Client Name: RMT, INC

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave SE

City, State, Zip Code: Grand Rapids, MI 49546

Phone: 616-975-5415 Fax:

Email Address: scott.pawlukiewicz

Cell #: Sampled by: SM/SP

Project Name & #: LEC 01545.46.001

Bill To:

Billing Address (if different)

City, State, Zip Code

Attn: Phone: PO #:

Regulatory Requirements		Turnaround Requirements		Matrix Key	
MERA TMDL's	☐	Standard	☐	S = Soil	WI = Wipes
Drinking Water	☐	3-4 Day (RUSH)*	☐	W = Water	LW = Liquid Waste
NPDES	☐	24-48 Hour (RUSH)*	☐	SE = Sediment	A = Air
USACE	☐	* Requires prior approval		OI = Oil	D = Drinking Water
Special	☐			SO = Solid Waste	SL = Sludge

Request for Analytical Services

ANALYSIS REQUESTED

TRACE NO.	DATE TAKEN	TIME TAKEN	METALS FIELD FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	BTEX	DEHF	CH4	HPC	NO3/SO4/TSS/TDS	NH3/TP	Diss Pb	Total Pb			REMARKS	Possible Health Hazard
38	3-17-11	0745	X	MW-35S	GW	10	X	X	X	X	X	X	X					
39	3-17-11	0850	X	MW-34S	GW	10	X	X	X	X	X	X	X					
40	3-17-11	0820	X	MW-32S	GW	10	X	X	X	X	X	X	X					
41	3-17-11	0925	X	MW-31S	GW	10	X	X	X	X	X	X	X					
42	3-17-11	0955	X	MW-33S	GW	10	X	X	X	X	X	X	X					
43	3-17-11	0930		RB-01	DI	4	X	X	X	X	X	X	X	X			No Pb or S.P.	
44	3-17-11	0940		RB-02	DI	10	X	X	X	X	X	X		X				
45	3-17-11	0950		RB-03	DI	10	X	X	X	X	X	X		X				
46	3-3-11			TB-03	DI	1	X											

Please Sign

Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
	1) Scott Pawlukiewicz	Fed Ex	3-17-11	1630		3)			
	2) Fed-Ex	[signature]	3/18/11	10:14		4)			

In executing this Chain of Custody, the client acknowledges acceptance of the terms and conditions of the agreement as set forth at http://www.trace-labs.com/cocterms.php

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SAMPLE LOG IN CHECKLIST

Date: 3/16/11 Client Name: RMT # of Coolers: 5

Trace ID #: T11C162 Project Name: LEC Cooler #s:

Logged in by: BMcDonald Cooler #s:

Cooler Receipt

Cooler/samples delivered by: Trace courier ☐ Hand delivered ☐ Commercial courier ☐ Name of delivery person: UPS ☐ DHL ☐ FED EX ☒ US Mail ☐

Did cooler come with a bill of lading? No ☐ Yes ☐ ☒ Not Applicable Way Bill or Tracking #:

COC Seals present and intact on cooler? No ☐ Yes ☐ ☒ Not Applicable

Custody seals signed by Client? No ☐ Yes ☐ Client custody seal # (if applicable):

Coolant and Temperature

Type of Coolant Used

	Yes	No
Slurry w/ crushed, cubed, or chip ice?	☐	☐
Multiple bags of ice around samples?	☒	☐
Ice Packs/ Blue Ice :	☐	☐
No Coolant Present:	☐	

Cooler Temperature

Correction Factor 10.1 °C

Date: 3/16/11 Time: 10:17

Temperature Blank: -0 °C

Range of 3 samples: 2 °C

Melt Water: °C

Ice still present upon receipt: ☒ Yes ☐ No

General

	Yes	No	NA
COC taped to inside of cooler lid?	☐	☒	☐
All bottles arrived unbroken with labels in good condition?	☒	☐	☐
Each sample point is in a sealed plastic bag?	☒	☐	☐
Labels filled out completely?	☒	☐	☐
All bottle labels agree with Chain of Custody (COC)?	☒	☐	☐
Sufficient sample to run tests requested?	☒	☐	☐
pH checked and samples at correct pH?	☒	☐	☐
Correct preservative added to samples?	☒	☐	☐
DRO/GRO samples received and appropriate check in form completed?	☐	☐	☒
Air bubbles absent from VOAs?	☒	☐	☐
COC filled out properly and signed by client?	☒	☐	☐
COC signed in by TRACE sample custodian?	☒	☐	☐
Was project manager called and samples discussed?	☐	☐	☐

Contact: Date:

Notes:

Rev.8 11/21/06

LOGIN4 TRACE Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

TRACE
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SAMPLE LOG IN CHECKLIST

Date: 3-17-11 Client Name: RMT # of Coolers: 4
Trace ID #: T11C162 Project Name: Cooler #s:
Logged in by: Cooler #s:

Cooler Receipt

Cooler/samples delivered by: Trace courier ☐ Hand delivered ☐ Commercial courier ☒ Name of delivery person:
UPS ☐ DHL ☐ FED EX ☒ US Mail ☐

Did cooler come with a bill of lading? No ☒ Yes ☐ ☐ Not Applicable
Way Bill or Tracking #:

COC Seals present and intact on cooler? No ☒ Yes ☐ ☐ Not Applicable

Custody seals signed by Client? No ☒ Yes ☐ Client custody seal # (if applicable):

Coolant and Temperature

Type of Coolant Used

	Yes	No
Slurry w/ crushed, cubed, or chip ice?	☐	☐
Multiple bags of ice around samples?	☒	☐
Ice Packs/ Blue Ice :	☐	☐
No Coolant Present:	☐	

Cooler Temperature

Correction Factor +0.2 °C

Date: 3-17-11 Time: 10:45
Temperature Blank: 3.1 5.4 °C
Range of 3 samples: 3 - 5 °C
Melt Water: °C
Ice still present upon receipt: ☒ Yes ☐ No

General

	Yes	No	NA
COC taped to inside of cooler lid?	☒	☐	☐
All bottles arrived unbroken with labels in good condition?	☒	☐	☐
Each sample point is in a sealed plastic bag?	☒	☐	☐
Labels filled out completely?	☒	☐	☐
All bottle labels agree with Chain of Custody (COC)?	☒	☐	☐
Sufficient sample to run tests requested?	☒	☐	☐
pH checked and samples at correct pH?	☒	☐	☐
Correct preservative added to samples?	☒	☐	☐
DRO/GRO samples received and appropriate check in form completed?	☐	☐	☒
Air bubbles absent from VOAs?	☒	☐	☐
COC filled out properly and signed by client?	☒	☐	☐
COC signed in by TRACE sample custodian?	☒	☐	☐
Was project manager called and samples discussed?	☐	☐	☐

Contact: Date:

Notes:

Rev.8 11/21/06

LOG!N4 **TRACE** Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

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SAMPLE LOG IN CHECKLIST

Date: 3-18-11 Client Name: BMT # of Coolers: 2

Trace ID #: T11C162 Project Name: Cooler #s:

Logged in by: Cooler #s:

Cooler Receipt

Cooler/samples delivered by: Trace courier ☐ Hand delivered ☐ Commercial courier ☒ Name of delivery person:

UPS ☐ DHL ☐ FED EX ☒ US Mail ☐

Did cooler come with a bill of lading? No ☒ Yes ☐ ☐ Not Applicable Way Bill or Tracking #:

COC Seals present and intact on cooler? No ☐ Yes ☐ ☐ Not Applicable

Custody seals signed by Client? No ☐ Yes ☐ Client custody seal # (if applicable):

Coolant and Temperature

Type of Coolant Used

	Yes	No
Slurry w/ crushed, cubed, or chip ice?	☐	☐
Multiple bags of ice around samples?	☒	☐
Ice Packs/ Blue Ice :	☐	☐
No Coolant Present:	☐	

Cooler Temperature

Correction Factor +0.2 °C

Date: 3-18-11 Time: 10:14

Temperature Blank: °C

Range of 3 samples: °C

Melt Water: °C

Ice still present upon receipt: ☒ Yes ☐ No

General

	Yes	No	NA
COC taped to inside of cooler lid?	☐	☒	☐
All bottles arrived unbroken with labels in good condition?	☒	☐	☐
Each sample point is in a sealed plastic bag?	☒	☐	☐
Labels filled out completely?	☒	☐	☐
All bottle labels agree with Chain of Custody (COC)?	☒	☐	☐
Sufficient sample to run tests requested?	☒	☐	☐
pH checked and samples at correct pH?	☒	☐	☐
Correct preservative added to samples?	☒	☐	☐
DRO/GRO samples received and appropriate check in form completed?	☐	☐	☒
Air bubbles absent from VOAs?	☒	☐	☐
COC filled out properly and signed by client?	☒	☐	☐
COC signed in by TRACE sample custodian?	☒	☐	☐
Was project manager called and samples discussed?	☐	☐	☐

Contact: Date:

Notes: Sample T11C162-43 only had 4 bottles

LOGIN4 TRACE Analytical Laboratories, Inc. Rev.8 11/21/06

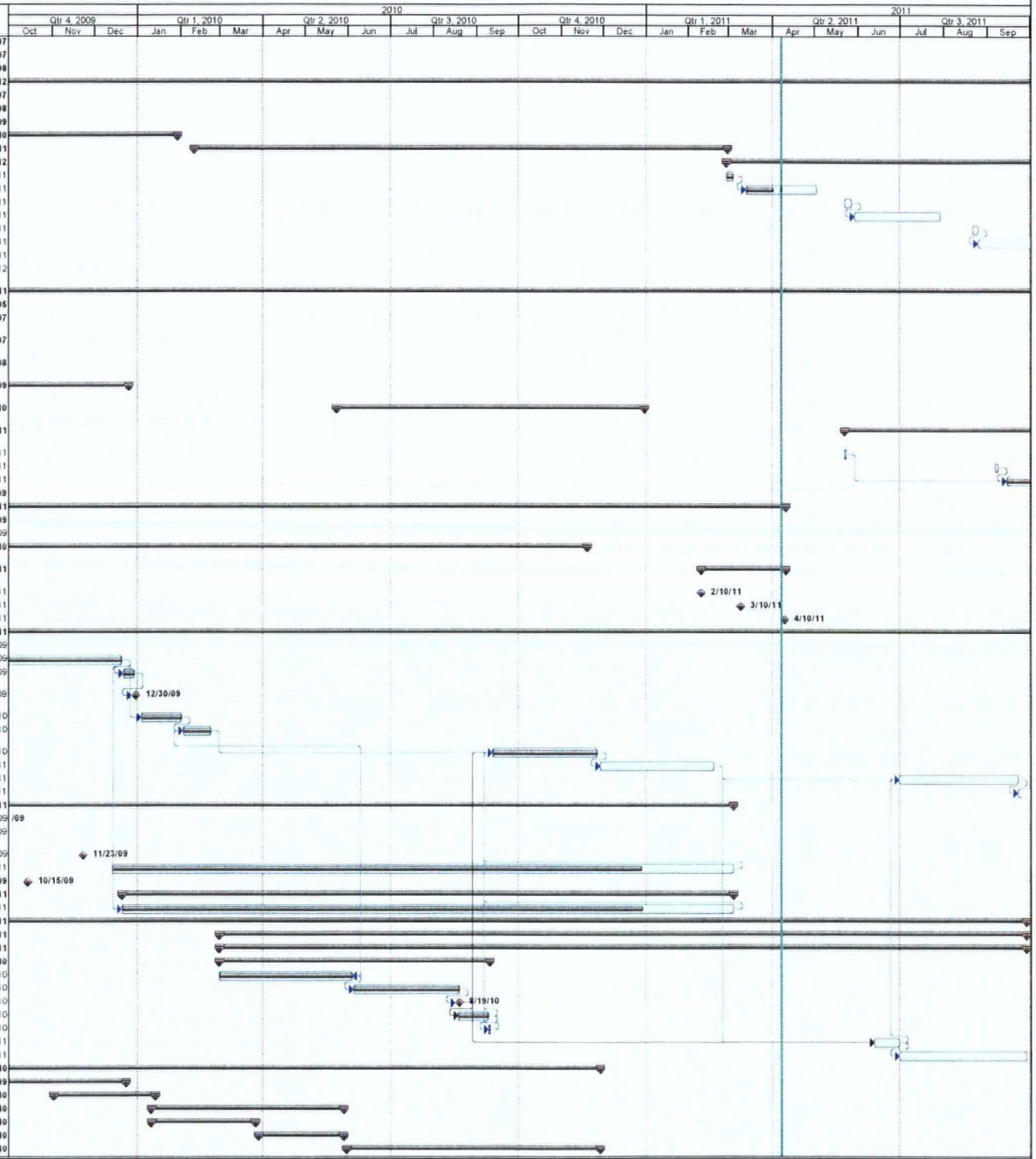
CERTIFICATE OF ANALYSIS

Appendix C
Project Schedule

USEPA ID No. NJ[redacted]748 | **Dayco Corporation/L. E. Carpenter Superfun[redacted] Borough of Wharton, Morris County, NJ** | **Update No. 10**

Master Proj[redacted]chedule | **Thu 4/7/11**

ID	Task Name	Duration	Start	Finish
1	**SOURCE REDUCTION (Site Soils)**	**890 days**	**Fri 4/16/04**	**Fri 9/14/07**
12	**USEPA ESD (Site Soils)**	**76 days**	**Tue 7/10/07**	**Wed 10/24/07**
15	**POST REMEDIAL MONITORING PLAN [PRMP] IMPLEMENTATION**	**726 days**	**Fri 7/1/05**	**Sat 4/12/08**
111	**QUARTERLY MONITORING AND REPORTING**	**1548 days**	**Mon 2/27/06**	**Tue 1/31/12**
112	**2006 Monitoring and Reporting**	**242 days**	**Mon 2/27/06**	**Tue 1/30/07**
121	**2007 Monitoring and Reporting**	**267 days**	**Tue 1/23/07**	**Wed 1/30/08**
131	**2008 Monitoring and Reporting**	**250 days**	**Mon 2/18/08**	**Fri 1/30/09**
140	**2009 Monitoring and Reporting**	**276 days**	**Mon 1/12/09**	**Fri 1/29/10**
149	**2010 Monitoring and Reporting**	**273 days**	**Thu 2/11/10**	**Mon 2/28/11**
158	**2011 Monitoring and Reporting**	**242 days**	**Mon 2/28/11**	**Tue 1/31/12**
159	Conduct 1Q11 Monitoring Event	5 days	Mon 2/28/11	Fri 3/4/11
160	Prepare and Submit 1Q11 Monitoring Report	36 days	Mon 3/14/11	Mon 5/2/11
161	Conduct 2Q11 Monitoring Event	5 days	Mon 5/23/11	Fri 5/27/11
162	Prepare and Submit 2Q11 Monitoring Report	45 days	Mon 5/30/11	Fri 7/29/11
163	Conduct 3Q11 Monitoring Event	4 days	Mon 8/22/11	Thu 8/25/11
164	Prepare and Submit 3Q11 Monitoring Report	47 days	Fri 8/26/11	Mon 10/31/11
165	Conduct 4Q11 Monitoring Event	6 days	Mon 12/5/11	Mon 12/12/11
166	Prepare and Submit 4Q11 Monitoring Report	36 days	Tue 12/13/11	Tue 1/31/12
167	**WETLAND AREA [WHARTON ENTERPRISES] MONITORING AND REPORTING**	**1702 days**	**Fri 6/24/05**	**Fri 12/30/11**
168	**2005 Wetland Area Post Source Reduction Mitigation & Reporting**	**128 days**	**Fri 6/24/05**	**Tue 12/20/05**
172	**2006 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**225 days**	**Tue 5/30/06**	**Mon 4/9/07**
178	**2007 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**158 days**	**Tue 5/15/07**	**Thu 12/20/07**
183	**2008 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**167 days**	**Mon 5/12/08**	**Tue 12/30/08**
187	**2009 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**153 days**	**Thu 5/28/09**	**Fri 12/25/09**
191	**2010 Wetland Monitoring, Invasive Species Control, Restoration& Reporting**	**159 days**	**Mon 5/24/10**	**Thu 12/30/10**
195	**2011 Wetland Monitoring, Invasive Species Control, Restoration& Reporting**	**160 days**	**Mon 5/23/11**	**Fri 12/30/11**
196	Spring 2011 Monitoring & Invasive Species Control Event	1 day	Mon 5/23/11	Mon 5/23/11
197	Fall 2011 Monitoring and Invasive Species Control Event	2 days	Wed 9/7/11	Thu 9/8/11
198	2011 Annual Wetland Monitoring Report Preparation and Submittal	77 days	Thu 9/15/11	Fri 12/30/11
199	**REMEDIAL INVESTIGATIONS (RI) (NJDEP LEAD)**	**899 days**	**Mon 2/27/06**	**Thu 8/6/09**
215	**USEPA UAO & SOW**	**777 days**	**Fri 4/18/08**	**Sun 4/10/11**
216	**Active Discussion and Negotiation**	**337 days**	**Fri 4/18/08**	**Mon 8/3/09**
225	**USEPA Assumes Lead Agency Role [UAO/SOW Effective Date]**	0 days	Thu 8/6/09	Thu 8/6/09
226	**2009 and 2010 Progress Reports**	**314 days**	**Wed 9/9/09**	**Fri 11/19/10**
234	**2011 Progress Reports**	**42 days**	**Thu 2/10/11**	**Sun 4/10/11**
235	Progress Report No. 8 (Nov 13, 2010 to Feb 10, 2011)	0 days	Thu 2/10/11	Thu 2/10/11
236	Progress Report No. 9 (Feb 11, 2011 to Mar 10, 2011)	0 days	Thu 3/10/11	Thu 3/10/11
237	Progress Report No. 10 (Mar 11, 2011 to Apr 10, 2011)	0 days	Sun 4/10/11	Sun 4/10/11
238	**RA WORK PLAN (RAWP) ADDENDUM**	**621 days**	**Thu 8/6/09**	**Wed 12/21/11**
239	RA Work Plan Addendum Preparation	28.38 edays	Thu 8/6/09	Thu 9/3/09
240	USEPA & NJDEP Review and Comment on the RA Work Plan Addendum	108 edays	Fri 9/4/09	Mon 12/21/09
241	Response to USEPA & NJDEP RA Work Plan Addendum Comments on MW19HS1 Soil Remediation	6 days	Tue 12/22/09	Tue 12/29/09
242	USEPA Approval of MW19HS1 Soil Remediation (RA Work Plan Addendum and Response to Comments)	0 days	Wed 12/30/09	Wed 12/30/09
243	Response to USEPA & NJDEP Comments on the MW-30 Investigation	21 days	Mon 1/4/10	Mon 2/1/10
244	USEPA Approval of the MW-30 Investigation (RA Work Plan Addendum and Response to Comments)	14 days	Tue 2/2/10	Mon 2/22/10
245	Prepare and submit RAWP Addendum No. 2	55 days	Mon 9/13/10	Fri 11/26/10
246	USEPA review and approval of RAWP Addendum No. 2	60 days	Mon 11/29/10	Fri 2/18/11
247	Prepare and submit Final RAWP Addendum	60 days	Fri 7/1/11	Thu 9/22/11
248	USEPA review and approval of Final RAWP Addendum	90 edays	Thu 9/22/11	Wed 12/21/11
249	**COMMUNITY INVOLVEMENT PLAN (CIP)**	**399 days**	**Wed 8/26/09**	**Fri 3/4/11**
250	NJDEP Public Outreach - Sign post Compliance [NJAC 7:26E-1.4(h)&(i)4]	0 days	Mon 9/14/09	Mon 9/14/09
251	NJDEP Public Outreach - Sensitive Population Checklist Compliance [NJAC 7:26E-1.4(h)&(i)4]	0 days	Wed 8/26/09	Wed 8/26/09
252	USEPA Fact Sheet No. 1	0 days	Mon 11/23/09	Mon 11/23/09
253	CIP Preparation & Submittal	320 days	Mon 12/14/09	Fri 3/4/11
254	**USEPA 5-YEAR REVIEWS**	**0 days**	**Thu 10/15/09**	**Thu 10/15/09**
256	**QUALITY ASSURANCE PROJECT PLAN (UFP-QAPP)**	**315 days**	**Mon 12/21/09**	**Fri 3/4/11**
257	UFP Compliant QAPP Preparation	315 days	Mon 12/21/09	Fri 3/4/11
258	**RA WORK PLAN (RAWP) ADDENDUM IMPLEMENTATION**	**749 days**	**Mon 11/17/08**	**Thu 9/29/11**
259	**MW-30 AOC**	**413 days**	**Mon 3/1/10**	**Thu 9/29/11**
260	**Remedial Investigation (RI) & Pilot Test**	**413 days**	**Mon 3/1/10**	**Thu 9/29/11**
261	**Preconstruction Permitting**	**140 days**	**Mon 3/1/10**	**Fri 9/10/10**
262	Prepare and submit NJDEP DLUR FHA Permit Application	69 days	Mon 3/1/10	Thu 6/3/10
263	NJDEP DLUR FHA Permit Review & Approval	76 edays	Fri 6/4/10	Thu 8/19/10
264	NJDEP DLUR FHA Permit Issued	0 days	Thu 8/19/10	Thu 8/19/10
265	Record FHA Permit with Morris County	16 days	Thu 8/19/10	Thu 9/9/10
266	Send County Sealed FHA Permit to NJDEP DLUR	1 day	Fri 9/10/10	Fri 9/10/10
267	RI (Soil, Groundwater & Sediment Investigation)	18 edays	Mon 6/13/11	Fri 7/1/11
268	Bioremediation Pilot Study	90 edays	Fri 7/1/11	Thu 9/29/11
269	**MW19HS1 AOC**	**531 days**	**Mon 11/17/08**	**Mon 11/29/10**
270	**Bldg 9 Demolition**	**289 days**	**Mon 11/17/08**	**Thu 12/24/09**
274	**Preconstruction Permitting**	**53 days**	**Mon 11/2/09**	**Thu 1/14/10**
281	**MW19HS1 Soil Remediation**	**100 days**	**Mon 1/11/10**	**Fri 5/28/10**
282	**Phase I**	**55 days**	**Mon 1/11/10**	**Fri 3/26/10**
294	**Phase II**	**45 days**	**Mon 3/29/10**	**Fri 5/28/10**
298	**MW19HS1 RAR Addendum**	**130 days**	**Mon 5/31/10**	**Mon 11/29/10**



Thu 4/7/11

Task | Progress | Summary | Rolled Up Split | Rolled Up Progress | Project Summary | Deadline

Split | Milestone | Rolled Up Task | Rolled Up Milestone | External Tasks | External Milestone

edays: elapsed days or calendar days

ID	Task Name	Duration	Start	Finish
299	RAR Addendum preparation and submittal	37 days	Mon 5/31/10	Tue 7/20/10
300	USEPA Review and Approval	131 edays	Wed 7/21/10	Mon 11/29/10
301	**MW19HS1 Post Remedial Groundwater Performance Monitoring**	**8 days**	**Mon 11/8/10**	**Thu 11/18/10**
302	Install USEPA approved performance monitoring network	10 edays	Mon 11/8/10	Thu 11/18/10
303	Soil gas investigation - MW19HS1 area	5 days	Mon 11/8/10	Fri 11/12/10